WESTERN ILLINOIS UNIVERSITY



Undergraduate Catalog
2026-2027

Academic Calendar for 2026-2027

The academic year consists of the Fall and Spring semesters and one eight-week Summer session. Each semester includes 15 weeks of instruction and one week of final examinations. The Summer session includes a pre-session, one eight-week, one six-week, and two four-week periods of instruction. The information below was accurate at the time of publication of this catalog. For updates, please see wiu.edu/provost/calendar/index.php.

Fall Semester, 2026

August 24, Monday	Classes Begin
September 7, Monday	Labor Day (No Classes/University Closed)
September 8, Tuesday	Classes Resume
October 16, Friday	Fall Break (No Classes)
October 19, Monday	Classes Resume
November 23–27, Monday–Friday	Thanksgiving Break (No Classes)
November 26–27, Thursday–Friday	Thanksgiving Holiday (University Closed)
November 30, Monday	Classes Resume
December 14–18, Monday–Friday	Final Exam Week
December 19, Saturday	Undergraduate and Graduate Commencement

Spring Semester, 2027

January 18, Monday	Dr. Martin Luther King Day (No Classes/ University Closed)
January 19, Tuesday	Classes Begin
February 12, Friday	Lincoln's Birthday (No Classes/University Closed)
February 15, Monday	Classes Resume
March 15–19, Monday–Friday	Spring Break (No Classes)
March 22, Monday	Classes Resume
May 10–14, Monday–Friday	Final Exam Week
May 15, Saturday	Undergraduate and Graduate Commencement

Summer Session, 2027

May 17, Monday	Pre-Session Begins
May 31, Monday	Memorial Day (No Classes/University Closed)
June 1, Tuesday	Pre-Session Classes Resume
June 4, Friday	Pre-Session Ends
June 7, Monday	Eight-Week, Six-Week, and First Four-Week Sessions Begin
June 18, Friday	Juneteenth National Independence Day Observed (No Classes/University Closed)
June 21, Monday	Classes Resume
July 2, Friday	First Four-Week Session Ends
July 5, Monday	Independence Day Observed (No Classes/ University Closed)
July 6, Tuesday	Classes Resume
July 6, Tuesday	Second Four-Week Session Begins
July 16, Friday	Six-Week Session Ends
July 30, Friday	All Remaining Sessions End

Western Illinois University Undergraduate Catalog 2026–2027

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Western Illinois University is accredited by The Higher Learning Commission. Information about the Commission may be obtained by contacting the Commission offices and staff at *hlcommission.org* or telephone (312) 263-0456.

Western Illinois University does not discriminate on the basis of race, color, national origin, sex, sexual orientation, gender identity, gender expression, marital status, disability, age, religion, genetic information, or veteran status, in its programs and activities, including employment and admission. The following person has been designated to handle inquiries regarding the non-discrimination policies: Ms. Stephanie Kinkaid, Title IX Coordinator, Sherman Hall 103A, (309) 298-1977.

The provisions of this catalog are not to be regarded as irrevocable contractual commitments between Western Illinois University and the student. The University reserves the right to change any provisions or requirements contained herein at any time within the student's term of residence.

Printed by authority of the State of Illinois
11/2026 • 300 • 0011736

Table of Contents

Academic Calendar ..... Inside Front Cover

Overview 4–20

Introduction
Academic Programs
Special Study Opportunities

Admission, Costs, Financial Assistance, and Records 21–41

Admission to the University
Costs
Financial Assistance
Educational Records Policy

Graduation Requirements, Academic Regulations, and GradTrac 42–76

Graduation
Grading Policies
Course Credit
Student Academic Progress
Academic Appeal
Multicultural Perspectives Requirement
Mathematics Competency Requirement
University General Education Curriculum
GradTrac

Colleges 77–89

Academic Schools 90–115

Academic Degree Programs 116–221

Other Programs 222–243

Dual Programs
Experimental Studies Program
General Studies Program
Honors in the Major
Military Science Program
Overseas Study Program
Pre-Professional Programs
Teacher Education Program

Minors 244–271

Course Descriptions 272–392

Academic and Student Services 393–401

Academic Services
Student Services

Administration, Faculty, and Professional Staff.....402–416

Trustees of the University
Officers of the University
Faculty and Professional Staff

Indices 417–428

General Index
IAI/WIU Course Match Index
WIU Course Description Index

Notes 429–430

Maps 431–432

WIU–Quad Cities
Macomb Campus Map

Directory .....Inside Back Cover

Introduction

About Western Illinois University

Since 1899, Western Illinois University has provided outstanding educational opportunities to individuals in west central Illinois and well beyond our region and state. WIU's traditional residential campus in Macomb, Illinois, is the educational, cultural, and athletic center of the region, while the WIU-Quad Cities commuter branch campus in Moline, Illinois, is the only public university in the immediate Quad Cities region. The main campus is located in Macomb, the McDonough County seat, 40 miles east of the Mississippi River. The city has a population of approximately 15,100. Two U.S. highways, 136 and 67, intersect at Macomb and provide direct access to Interstates 74, 80, and 55. Rail passenger service is available twice daily from Quincy and Chicago to Macomb. Western Illinois University—Quad Cities is located in Moline, Illinois, which is approximately 80 miles north of the main campus in Macomb.

The WIU-Macomb campus offers a comprehensive slate of undergraduate and graduate programs, including a doctorate in education. The WIU-Quad Cities campus offers select undergraduate and graduate programs, including a doctorate in education, at its metropolitan, commuter campus.

Employing an outstanding, diverse faculty and staff committed to multicultural and international education, Western Illinois University offers undergraduate and graduate programs of study to approximately 5,350 students from Illinois, across the nation, and around the world. Providing excellent instruction is the highest priority of the University's 372 faculty members. The faculty is responsible for 90% of the total student credit hours earned at the undergraduate level. Although primarily dedicated to teaching, WIU faculty members participate in extensive research and creative activities.

With more than a century of growth and development, and more than 140,000 living alumni around the globe, Western Illinois University maintains a strong sense of community and historic commitments to student access, affordability, and success. Western has been recognized for several years as a "Best Midwestern College" by the *Princeton Review*.

Accreditations and Recognitions

Western Illinois University is accredited by the Higher Learning Commission. The University's teacher licensure programs are approved by the Illinois State Board of Education. In addition, many of the University's programs are accredited by professional agencies, including the following:

- ABET: Engineering Accreditation Commission of ABET
- Accreditation Council for Education in Nutrition and Dietetics
- American Speech–Language–Hearing Association
- Association to Advance Collegiate Schools of Business (AACSB) International
- Commission on Collegiate Nursing Education
- Council for Accreditation of Counseling and Related Educational Programs
- Council on Accreditation of Parks, Recreation, Tourism and Related Professions
- Council on Social Work Education
- Masters in Psychology and Counseling Accreditation Council
- National Association of School Psychologists
- National Association of Schools of Art and Design
- National Association of Schools of Music
- National Association of Schools of Theatre

Western Illinois University is also approved by the Illinois Board of Higher Education to participate in the National Council for State Authorization Reciprocity Agreements (NC-SARA). As such, the University's distance learning program follows policies and standards that are overseen by the National Council for State Authorization

Reciprocity Agreements and administered by four regional higher education compacts. For additional information, please visit *https://nc-sara.org*.

Because of its longstanding support of veterans, active-duty service members, and military-connected students, Western Illinois University has been designated a Military Friendly® School by *Viqtory/Military Friendly* since 2009 and a "Best for Vets College" by *Military Times* since 2010. The University has also recently been nationally recognized through the Carnegie Classification® as a Research Institution for scholarship and innovation, and as an Opportunity University, ranking among the top institutions in Illinois for access and economic mobility.

These peer-reviewed accreditations and external recognitions reflect Western Illinois University's commitment to academic excellence, student success, research and innovation, educational access, and economic mobility. They affirm the quality of the University's academic programs and its dedication to serving students and communities throughout the region.

Higher Values in Higher Education

Our Vision

Western Illinois University aims to be the leading public regional university in providing educational quality, opportunity, and affordability.

Our Mission

Western Illinois University empowers students, faculty, and staff to lead dynamic and diverse communities. We provide student-centered undergraduate and graduate programs characterized by innovative teaching, research, and service, grounded in multidisciplinary, regional, and global perspectives. We engage our students in educational opportunities guided by a professional and diverse faculty and staff in collaboration with alumni and community partners.

Our Values

Academic Excellence: Central to our history is the commitment to teaching, to the individual learner, and to active involvement in the teaching-learning process. Western Illinois University's highly qualified and diverse faculty promotes critical thinking, engaged learning, research, and creativity in a challenging, supportive learning community. We are committed to student success in an academic environment that encourages lifelong development as learners, scholars, teachers, and mentors.

Educational Opportunity: Western Illinois University values educational opportunity and welcomes those who show promise and a willingness to work toward achieving academic excellence. We are committed to providing accessible, high-quality educational programs and financial support for our students.

Personal Growth: Western Illinois University values the development of the whole person. We are committed to providing opportunities for personal growth in a transformative educational environment that supports the development of wellness, ethical decision making, and personal responsibility in the global community.

Social Responsibility: Western Illinois University is committed to civic and community engagement, equity, social justice, and diversity and will maintain the highest standards of integrity in our work with others. We create an environment that fosters and promotes citizenship. We serve as a resource for and stimulus to educational, cultural, environmental, community, and economic development in our region and well beyond it for the public good.

Introduction

University Profile

WIU is dedicated to providing an affordable, accessible education. Western's Tuition Guarantee program ensures that students pay a fixed rate for tuition during their years of continuous enrollment. We back this with multiple, stackable scholarship opportunities, including the generous Western Commitment Scholarships.

The University offers 52 undergraduate degree programs (50 at the Macomb campus, 5 at the Quad Cities campus, and 15 online), 33 master's/specialist degree programs, and a doctoral program. The curriculum includes the natural sciences, humanities, social sciences, fine arts, business, education, and a number of pre-professional and technical fields of study. Although most WIU students primarily come from Illinois, 692 are from out of state, and 392 (Fall 2025 figure) are international students. Between July 2025 and June 2026, 1,066 students completed undergraduate degree requirements.

Campus: Sixty buildings are situated on more than 1,000 acres in Macomb. In addition, the University operates the Alice L. Kibbe Life Sciences Station on the Mississippi River, the Frank J. Horn Field Campus, and the University Farm, which provide research, hands-on and recreational facilities for students, faculty, and staff, as well as outreach opportunities for community residents. Western Illinois University—Quad Cities Riverfront Campus, with state-of-the-art facilities along the Mississippi River in Moline, provides hands-on learning opportunities on campus and at local organizations throughout the community.

Costs: New students can attend Western Illinois University for approximately $31,600 in 2026–2027, including tuition, fees, room, meal plan, books, and personal expenses. Financial assistance is provided for qualified students. More than 79% of Western's undergraduate students receive some type of financial assistance. In 2025–2026, more than $76.9 million total in financial assistance was distributed. Of that total, over $49.8 million was in the form of grants/scholarships which do not have to be repaid, and more than $27.1 million was through loans and campus employment. The average financial aid package for undergraduate students is $17,162.

Cultural Center: Students, faculty, and guest artists of the School of Visual and Performing Arts perform over 180 exhilarating concerts and recitals every year. Annually, 12 major theatrical and dance productions and studio shows are performed, along with outstanding concerts, lectures, presentations, films, dance performances, and more. The School of Communication, Media, and Experience Industries covers sports and breaking news events daily reporting on radio, TV, and the web. The University Art Gallery exhibits work by the talented WIU students and faculty, as well as nationally-recognized artists. The Bureau of Cultural Affairs (BCA) brings comedy, music, and magic to campus. The Multicultural Center, home of the Gwendolyn Brooks Cultural Center, Casa Latina Cultural Center, Women's Center, LGBT*QA Resource Center, and International Student Support Services, aims to advance the goals of educational, social, and cultural awareness by providing resources to enhance the campus community's understanding and appreciation of all identities. The Multicultural Center promotes intercultural learning, advocacy for historically marginalized students, and celebrates diversity to foster a welcoming and culturally inclusive environment.

Libraries: University Libraries house extensive collections and provide regional archives, research assistance, lectures and special events. The libraries offer online database access to thousands of academic journals and publications, as well as Illinois Legal Aid Online. The main library, the Leslie F. Malpass Library in Macomb, provides an inviting environment for research and study. The Leslie F. Malpass Library Archives and Special Collections houses a treasure trove of university, community, and regional history. The Special Collections document the cultural, economic, and natural heritage of west central Illinois. WIU Archives includes regional materials, such as county and town histories, oral history tapes, diaries, letters, maps, photographs, and

newspaper clippings, along with a comprehensive digital image database, which can be found at *wiu.edu/libraries/archives*. The Macomb campus also has two specialized branch libraries for music and curriculum. The WIU—QC campus houses a branch library, which provides access to the same materials as the Macomb libraries.

Residence Halls: Residence halls on the WIU—Macomb campus have the capacity to provide more than 3,000 students with living and dining services. Several residence halls offer learning living communities, such as Honors, First Year Experience, and major.

Sports: The University's athletics program, based on the Macomb campus, sponsors 18 NCAA Division I (FCS) intercollegiate men's and women's varsity sports competing in the Ohio Valley Conference.

Student Organizations: More than 200 student organizations on campus represent a wide range of interests. Opportunities for participatory student governance are provided by the Student Government Association, Inter-Hall Council, Panhellenic Council, Interfraternity Council, Multicultural Greek Council, National Pan-Hellenic Council, Black Student Association, Latin American Student Organization, Sport Clubs Council, and other organizations.

University Technology: WIU provides nearly 1,600 computers for use in classrooms, computer labs, computer resource centers, recreational spaces, and conference rooms throughout the Macomb and Quad Cities campuses. Detailed listings and a map of the computing facilities can be found on the WIU website (*wiu.edu/computerlabs/*). The University also provides access to numerous software packages, the Internet, email, campus information systems, and other resources. Students have access to Mac and Windows computers, scanners, and printers. Personal file storage is available via Google Drive (*drive.g.wiu.edu*). The Digital Rec Center (*wiu.edu/digitalrec/*), open to WIU students, houses WIU–Macomb's eSports Team and provides competitive gaming opportunities, console gaming, virtual reality stations, and more.

Western Illinois University—Quad Cities (WIU—QC): Western Illinois University offers several academic programs at its Quad Cities campus in Moline, Illinois. Undergraduate majors are offered in the following disciplines at WIU—QC: Electrical Engineering, Elementary Education, Engineering Technology, Mechanical Engineering, and Public Health. Several online undergraduate degree programs are available to Quad Cities area students, along with 9 graduate degree programs and a post-baccalaureate certificate program offered at the WIU—Quad Cities campus.

Comments and Complaints

Participants in the Title IV Federal Financial Aid under the Higher Education Act of 1965, as amended, are required to direct students to a state agency for assistance with unresolved complaints. Related regulations require all Title IV participating institutions, regardless of the origin of their state authorization to operate, to comply with state agency complaint process and to communicate such information publicly. Under Federal rule 34 CFR §600.9 and §668.43(b), Title IV eligible institutions must make available to students or prospective students, upon request, a copy of the documents describing the institution's accreditation and state authorization. The institution must provide its students or prospective students with contact information for filing complaints with the University, its accreditor, and the state.

Student and graduate comments and complaints are addressed separately for discrimination, ethics, police conduct, and/or all other institutional issues. University policy, procedure, and contact information for each type of complaint are described below.

Introduction

All student complaints should first be addressed at the local level (the level at which the complaint arises). If it cannot be resolved at the local level, the complainant should express the complaint to the head of the academic school or administrative unit after referring to the University Organizational Chart (*wiu.edu/president/orgchart/*) or the University Directory (*directory.wiu.edu/*) to determine the appropriate contact. If the complaint is not resolved at this level, the following individual(s) should be contacted:

Complaint Type	Contact Information	Telephone	Fax	Email
Discrimination	Ms. Stephanie Kinkaid Title IX Coordinator Sherman Hall 103A	(309) 298-1977	(309) 298-3445	*title-ix@wiu.edu*
Ethics	Ms. Leann E. Walters Ethics Officer Legal Services Sherman Hall 208	(309) 298-3070	N/A	*ethics@wiu.edu*
Police Conduct	Mr. Derek J. Watts Director, Office of Public Safety Mowbray Hall	(309) 298-1949	(309) 298-2884	*DJ-Watts@wiu.edu*
Student Success—Macomb and Quad Cities	Dr. Justin L. Schuch Vice President, Student Success Sherman Hall 321	(309) 298-1814	(309) 298-2558	*VPSS@wiu.edu*
All Other—Macomb	Dr. Mark A. Mossman Provost and Academic Vice President Sherman Hall 211	(309) 298-1066	(309) 298-2021	*provost@wiu.edu*
Quad Cities	Ms. Audrey N. Adamson Executive Director, Career Readiness and Workforce Development 3420 QC Complex C	(309) 762-9481	N/A	*ANW-Adamson@wiu.edu*

State of Illinois: The Illinois Board of Higher Education (IBHE) maintains the master plan which guides development of the state's system of public and private colleges and universities, and it maintains an online complaint system for registering institutional complaints at *https://complaints.ibhe.org*. This website includes step-by-step instructions and key information regarding the complaint process.

State of Iowa: Western Illinois University is certified by the State of Iowa to provide educational certificates and degree programs in Museum Studies and distance education in Iowa. In serving students from Iowa, the Iowa College Student Aid Commission maintains a system (information available at *educate.iowa.gov*) to document concerns, questions, and complaints related to post-secondary educational institutions.

Out-of-State Distance Learning Students: Students enrolled in distance learning classes who live outside Illinois are protected by the State Authorization and Reciprocity Act (SARA) consumer protection provisions. These provisions require the investigation and resolution of allegations of dishonest or fraudulent activity, including the provision of false or misleading information. The SARA Student Complaints process and directions are available at *nc-sara.org/wp-content/uploads/2026/06/Illinois-SARA-Student-Complaints-Process_5.6.26.pdf*

Professional Licensure/Certification Disclosure

Under Federal rule 34 CFR §668.43(a).(5).(v), institutions of higher education must make institutional information regarding the academic programs of the institution readily available to enrolled and prospective students. This information includes, for an educational program which is designed to meet educational requirements for a specific professional license or certification that is required for employment in an occupation, or is advertised as meeting such requirements, information regarding whether completion of that program would be sufficient to meet licensure requirements in a State for that occupation, including:

- A list of all States for which the institution has determined that its curriculum meets the State educational requirements for licensure or certification;
- A list of all States for which the institution has determined that its curriculum does not meet the State educational requirements for licensure or certification; and
- A list of all States for which the institution has not made a determination that its curriculum meets the State educational requirements for licensure or certification.

In accordance with this requirement, Western Illinois University provides its Professional Licensure Disclosure report at *wiu.edu/provost/docs/ProfessionalLicensureDisclosureReport.pdf*. Further, according to Federal rule 34 CFR §668.43(c), if the institution has made a determination that the program's curriculum does not meet the State educational requirements for licensure or certification in the State in which a prospective student is located, or if the institution has not made a determination regarding whether the program's curriculum meets the State educational requirements for licensure or certification, the institution must provide notice to that effect to the student prior to the student's enrollment in the program. If the institution makes a determination that a program's curriculum does not meet the State educational requirements for licensure or certification in a State in which a student who is currently enrolled in said program is located, the institution must provide notice to that effect to the student within 14 calendar days of making such determination.

Additionally, disclosures required above must be made directly to the student in writing, which may include through email or other electronic communication. The institution must make a determination regarding the State in which a student is located in accordance with the institution's policies or procedures, which must be applied consistently to all students. The institution must make a determination regarding the State in which a student is located at the time of the student's initial enrollment in an educational program and, if applicable, upon formal receipt of information from the student, in accordance with the institution's procedures, that the student's location has changed to another State.

Equal Opportunity and Access

Western Illinois University complies fully with all applicable federal and state nondiscrimination laws, orders, and regulations. The University is committed to providing equal opportunity and an educational and work environment for its students, faculty, and staff that is free from discrimination based on sex, race, color, sexual orientation, gender identity, gender expression, religion, age, marital status, national origin, disability, genetic information, veteran status, or any other classes protected by state or federal law.

Further, the University is committed to ensuring access and equity in educational programs, activities, and employment.

Introduction

The Office of Equal Opportunity and Access partners with Human Resources to administer and monitor Western Illinois University's Equal Opportunity/Affirmative Action policies and procedures. Inquiries about or complaints alleging violation of the policies should be directed to the Office of Equal Opportunity and Access, Sherman Hall 103A, (309) 298-1977. The Office of Equal Opportunity and Access also serves as the administrator for Title IX of the Educational Amendments of 1972, and its implementing regulations, and the Americans with Disabilities Act (ADA).

Religious Observance Policy

Consistent with Illinois Public Act 84-212, an act to prohibit public school districts and institutions of higher education from discriminating against students for observing religious holidays (effective August 26, 1985), Western Illinois University subscribes to the following policy and procedures:

Western Illinois University supports the concept of "Reasonable Accommodation of Religious Observances" in regard to admissions, class attendance, and the scheduling of examinations and other academic work requirements.

1. A student who is unable because of the observance of a religious holiday to attend classes on a particular day or days or at a particular time of day shall be excused from taking any examination or any study or other academic work assignments on such days or times.
2. Faculty and administrative personnel may require up to 5 calendar days advance notice of absences to observe religious holidays.
3. It is the responsibility of the faculty and administrative personnel to make available to such students an equivalent opportunity to make up the examinations, study, or other academic work requirements which they missed due to such absences.
4. It is the responsibility of all students who are also employees of the University to make arrangements to fulfill their obligations to the University in advance of their absence, and/or to utilize accrued leave (if applicable) during the absence.
5. No fees or penalties may be imposed against the students who exercise such afforded opportunities. If a student believes she/he has been a victim of discrimination on grounds of religious observances, she/he may seek redress under the existing Discrimination Complaint Procedures.

A student who feels that he or she has been unreasonably denied an educational or employment benefit due to religious beliefs or practices should contact the Office of Equal Opportunity and Access.

Western Illinois University's full Reasonable Accommodation of Students and Employees Religious Observance Policy is available at *wiu.edu/policies/religiousobserv.php*.

Student Right-to-Know

Information complying with the Federal Student Right-to-Know legislation, including the Campus Safety and Security Act (Clery Law), is available in the Office of Public Safety and University Communications and Marketing. The information contains campus crime statistics and graduation rates at Western Illinois University and is also available at *wiu.edu/clery*.

Undergraduate Programs

Western Illinois University's undergraduate academic programs are offered through two academic colleges, which each house several academic schools. Information about the colleges is given in the Colleges section of this catalog (p. 77). All schools offer undergraduate programs of study leading to the baccalaureate degree. Information about schools is given in the Academic Schools section (p. 90), and information about degree program requirements is given in the Academic Degree Programs section (p. 117).

The chart below provides page references for information in this catalog about major and minor programs of study available at the undergraduate level. The chart shows whether a Bachelor of Arts (B.A.), Bachelor of Business (B.B.), Bachelor of Fine Arts (B.F.A.), Bachelor of Liberal Arts and Sciences (B.L.A.S.), Bachelor of Music (B.M.), Bachelor of Science (B.S.), Bachelor of Science in Education (B.S.Ed.), Bachelor of Science in Nursing (B.S.N.), or Bachelor of Social Work (B.S.W.) is offered. Fields of study for which "Option" is indicated lead to degrees through the completion of option requirements in a broader field of study. For example, students who wish to major in Zoology earn a B.S. in Biology by completing the Zoology option requirements in the Biology degree program. The chart also shows the fields of study that are available for Teacher Education; for more information, please see the Teacher Education section of this catalog (p. 236). Additionally, this chart shows the fields of study available as academic minors at the University; please see the Minors section of this catalog (p. 244) for detailed requirements for each minor. "GradTrac" is indicated for the disciplines that are included in the GradTrac program. Information about GradTrac is given in the GradTrac section (p. 75). "Integrated Degree" is indicated for the disciplines for which an integrated baccalaureate and master's degree program is offered. For more information about integrated degree programs, please see the Integrated Baccalaureate and Master's Degree Programs section (p. 57), the respective academic school, and the *WIU Graduate Catalog*.

Academic Program *Program is available at WIU-Quad Cities. **Final two years are completed at WIU-QC campus. ^Program is available online.	*Degree*	*Option*	*Teacher Education*	*Minor*	*GradTrac*	*Integrated Degree*
Accountancy^ (117, 247)	B.B.^			•^	•	•
Actuarial Science (179)		•			•	
Advertising and Public Relations (247)				•		
African American Studies (176, 247)		•		•	•	
Agricultural Business (120)		•			•	•
Agricultural Economics (247)				•		
Agricultural Science (120)		•			•	•
Agricultural Technology Management (247)				•		
Agriculture (119, 248)	B.S.		•	•	•	•
Agronomy (248)				•		
Algorithms and Data Management (248)				•		
American Sign Language (248)				•		
Animal Science (248)				•		
Anthropology^ (122, 249)	B.A.^			•^	•	•
App Development (249)				•		
Applied Artificial Intelligence (249)				•		

Academic Program *Program is available at WIU-Quad Cities. **Final two years are completed at WIU-QC campus. ^Program is available online.	*Degree*	*Option*	*Teacher Education*	*Minor*	*GradTrac*	*Integrated Degree*
Applied Economics^ (123)	B.A.^				•	
Applied Mathematics (249)				•		
Applied Meteorology (184)		•			•	•
Applied Music (188)		•			•	
Art (124, 125)	B.A., B.F.A.		•		•	•
Art History (249)				•		
Art Studio (124, 126, 249)		•		•	•	•
Biochemistry (138)		•			•	•
Biology (127)	B.S.		•		•	
Botany (250)				•		
Broadcasting and Journalism (130, 250)	B.A.			•	•	
Business (250)				•		
Business Administration^ (134)	B.B.^				•	•
Business Analytics^ (134, 250)		•^		•	•	•
Cannabis and Culture^ (250)				•^		
Chemistry (137, 251)	B.S.		•	•	•	•
Clinical Laboratory Science (140)	B.S.				•	
Coaching (251)				•		
Communication^ (141, 251)	B.A.^			•^	•	•
Computer Science^ (142, 251)	B.S.			•^	•	•
Computer Science Education^ (251)			•	•^		
Conceptual Physics (252)				•		
Construction and Facilities Technology (252)				•		
Construction Management (145)	B.S.				•	
Corrections^ (252)				•^		
Creative Writing (252)				•		
Criminalistics (253)				•		
Cybersecurity (146, 253)	B.S.			•	•	
Dance (253)				•		
Data Science and Statistics (179)		•			•	•
Dietetics, Nutrition and (199)	B.S.				•	
Early Childhood Education* (153)		•*	•*		•	
Economics^ (134, 253)		•^		•^	•	•
Educational Studies (148, 254)	B.S.Ed.			•	•	
Electrical Engineering** (149)	B.S.**					
Elementary Education* (152)	B.S.Ed.*		•*		•	
Emergency Management^ (155, 254)	B.S.^			•^	•	•
Emergency Management—Operational^ (254)				•^		
Emergency Management—Tactical^ (254)				•^		
Engineering Physics (204)		•				
Engineering Technology* (156)	B.S.*					
English (157, 255)	B.A.		•	•	•	

Academic Program *Program is available at WIU-Quad Cities. **Final two years are completed at WIU-QC campus. ^Program is available online.	*Degree*	*Option*	*Teacher Education*	*Minor*	*GradTrac*	*Integrated Degree*
English as a Second Language Education* (153)		•*	•*		•	
Environmental Biology (129)		•			•	
Environmental Studies (255)				•		
Event Planning and Management (255)				•		
Exercise Science (159)	B.S.				•	
Film (255)				•		
Finance^ (135, 256)		•^		•^	•	•
Fire Administration^ (161, 256)		•^		•^	•	•
Fire Medic (161)		•			•	•
Fire Protection Services^ (160)	B.S.^				•	•
Fire Science^ (161, 256)		•		•^	•	•
Foreign Languages and Cultures (162)	B.A.				•	
Forensic Chemistry (165, 256)	B.S.			•		•
Forensic Psychology (208, 256)		•		•		
Forensic Science (257)				•		
French (163, 257)		•		•	•	
French Teacher Education (163)		•	•		•	
General Studies^ (167)	B.A.^					•
Geoenvironment and Planning^ (168)		•^			•	•
Geographic Information Science^ (168)	B.S.^				•	•
Geographic Information Systems^ (257)				•^		
Geography^ (257)				•^		
Geospatial Science^ (168)		•^			•	•
Global Politics (257)				•		
Government and Politics^ (206)		•^			•	•
Graphic Design (124, 126, 258)		•		•	•	•
Health Communication (258)				•		
History^ (170, 258)	B.A.^		•	•^	•	•
Homeland Security^ (258)				•^		
Human Resource Management^ (135, 258)		•^		•^	•	•
Industrial Technology^ (259)				•^		
Information Systems^ (172, 259)	B.S.^			•^	•	
Information Technology (259)				•		
International Business (259)				•		
International Studies (260)				•		
Jazz Studies (260)				•		
Latinx Studies (261)				•		
Law and Society (261)				•		
Law Enforcement and Justice Administration^ (174, 261)	B.S.^			•^	•	•
Legal Studies (261)				•		
Liberal Arts and Sciences (176)	B.L.A.S.				•	
Literature and Language (157)		•			•	

Academic Program *Program is available at WIU-Quad Cities. **Final two years are completed at WIU-QC campus. ^Program is available online.	*Degree*	*Option*	*Teacher Education*	*Minor*	*GradTrac*	*Integrated Degree*
Management^ (135, 262)		•^		•^	•	•
Manufacturing Technology (262)				•		
Marketing^ (136, 262)		•^		•^	•	•
Mathematics* (178, 262)	B.S.		•	•*	•	•
Mechanical Engineering** (181)	B.S.**					
Medical Sciences (128)		•			•	
Mental Health (262)				•		
Meteorology (183)	B.S.				•	•
Meteorology, Applied (184)		•			•	•
Meteorology, Operational (183)		•			•	•
Microbiology (127, 263)		•		•	•	
Middle Level Education (185)	B.S.Ed.		•		•	
Middle Level Literacy Teaching (263)			•	•		
Middle Level Mathematics Teaching (263)			•	•		
Middle Level Science Teaching (263)			•	•		
Middle Level Social Studies Teaching (264)			•	•		
Military Science (264)				•		
Multilingual Education* (154)		•*	•*			
Music (187, 264)	B.M.		•	•	•	
Music Business (190, 264)		•		•		
Music Therapy (190)		•				
Musical Theatre (193)	B.F.A.					
Natural Resources Conservation (264)				•		
Network Technologies (265)				•		
Nonprofit Administration (265)				•		
Nursing (198)	B.S.N.				•	
Nutrition^ (265)				•^		
Nutrition and Dietetics (199)	B.S.				•	
Nutrition and Foodservice Management (201)	B.S.				•	
Operational Meteorology (183)		•			•	•
Operations Management (265)				•		
Paired Minors (176)		•			•	
Performance—Theatre (221)		•			•	
Pharmacy (138)		•				•
Philosophy^ (265)				•^		
Physical Education (202)	B.S.		•		•	
Physics (203, 266)	B.S.		•	•	•	
Plant Breeding (266)				•		
Political Science^ (206, 266)	B.A.^			•^	•	•
Pre-Law—History (171)		•			•	•
Pre-Law—Political Science (207)		•			•	•
Pre-MBA (266)				•		

Academic Program *Program is available at WIU-Quad Cities. **Final two years are completed at WIU-QC campus. ^Program is available online.	*Degree*	*Option*	*Teacher Education*	*Minor*	*GradTrac*	*Integrated Degree*
Precision Agriculture (267)				•		
Production/Design—Theatre (221)		•			•	
Professional Writing^ (267)				•^		
Psychology*^ (208, 267)	B.S.			•*^		
Public Administration and Public Service (267)				•		
Public Health* (210)	B.S.*				•	
Public Relations (212)	B.A.				•	
Queer Studies (267)				•		
Recreation Management^ (213)		•^			•	•
Recreation, Sport, and Tourism Administration^ (213, 268)	B.S.^			•^	•	•
Religious Studies^ (268)				•^		
Security Administration^ (268)				•^		
Sign Language, American (248)				•		
Social Media^ (268)				•^		
Social Work (216)	B.S.W.				•	
Sociology^ (217, 268)	B.A.^			•^	•	•
Spanish* (163, 269)		•		•*	•	
Spanish Teacher Education (163)		•	•		•	
Special Education (218)	B.S.Ed.		•		•	
Speech Language Pathology Assistant (220)		•				
Speech Pathology and Audiology (220)	B.S.					
Sport Management^ (214, 269)		•^		•^	•	•
Sports Broadcasting (269)				•		
Stage Combat (269)				•		
Supply Chain Management^ (136, 269)		•^		•^	•	•
Sustainable Business (270)				•		
Teaching English to Speakers of Other Languages^ (270)				•^		
Theatre (221, 270)	B.A.			•	•	
Tourism and Event Management^ (214)		•^			•	•
Weather and Climate (270)				•		
Women's Studies^ (270)				•^		
Zoology (128, 271)		•		•	•	

In addition to the programs of study listed on the chart, pre-professional programs are offered at the University in the following fields:

- Engineering
- Health
- Law
- MBA
- Veterinary Medicine

For more information, please see the Pre-Professional Programs section of this catalog (p. 232).

Dual programs are available in Medical Technology, Engineering, and Law in cooperation with approved schools of medical technology, University of Illinois at Chicago Law School, and the University of Illinois. Students can complete requirements for a bachelor's degree at Western Illinois University while working toward a professional degree or certificate. An additional dual program is available in Doctor of Chiropractic with Palmer College of Chiropractic. Students can complete requirements for a Bachelor of Arts in General Studies while working toward a professional degree or certificate. For more information, please see the Dual Programs section of this catalog (p. 223).

Graduate Programs

The University confers 12 advanced degrees—Doctor of Education, Education Specialist, Specialist in School Psychology, Master of Fine Arts, Master of Accountancy, Master of Arts, Master of Arts in Teaching, Master of Business Administration, Master of Music, Master of Public Health, Master of Science, and Master of Science in Education. Graduate programs are available in the following degrees and fields of study:

Doctor of Education
Educational Leadership*

Education Specialist
Educational Leadership*

Specialist in School Psychology
School Psychology

Master of Fine Arts
Theatre

Master of Accountancy
Accountancy^

Master of Arts
Communication, Community and Economic Development**, English, History, Museum Studies**, Political Science^, Public Safety Administration^, Sociology^

Master of Arts in Teaching
Alternative Teacher Licensure*

Master of Business Administration
Business Administration***

Master of Music
Music^ *(only Music Education emphasis available online)*

Master of Public Health
Public Health*

Master of Science
Biology; Chemistry; College Student Personnel*; Computer Science; Engineering Technology; GIScience and Geoenvironment; Mathematics^; Psychology; Recreation, Sport, and Tourism Administration; Speech Pathology; Sport Management; Teaching Mathematics***

Master of Science in Education
Counseling**, Education***, Educational Leadership*, Reading***, Special Education***

Post-Baccalaureate Certificates
Accounting^, Business Analytics^, Community Development and Planning, Community Engagement and Public Safety Leadership^, Emergency Management^, GIS Analysis, Health Services Administration***, Marketing Strategy and Measurement^, Museum Studies**, Police Executive Administration^, Supply Chain Management***, Teaching English to Speakers of Other Languages^

* Program available at WIU—Quad Cities and Macomb
** Program available at WIU—Quad Cities only
*** Program available online only
^ Program also available online

For more information, see the *Western Illinois University Graduate Catalog*.

Special Study Opportunities

Four-Year Guarantees

GradTrac: Freshman students in eligible majors who wish to ensure graduation within four years may apply for GradTrac. A GradTrac Agreement assures students that they will complete their requirements in four years if they comply with the provisions of the GradTrac Agreement. GradTrac uses WIU's automated degree audit system, which allows students and their advisors to monitor progress in their degree plan. Students who sign the GradTrac Agreement must meet with their advisors regularly, complete required coursework as prescribed for their degree program, maintain a grade point average designated by their program, and maintain continuous enrollment at the University. If a student meets all the requirements of the GradTrac Agreement but is unable to graduate due to the unavailability of a course, the University will waive or substitute the course(s) needed to allow graduation in the prescribed number of semesters. If a waiver or substitution is not possible, then the University will waive the tuition for the course(s) still needed if taken at Western Illinois University. For more information on GradTrac, please see page 75.

Tuition: Western Illinois University guarantees a four-year rate for tuition for new undergraduate students entering the University. All new undergraduate students, full- and part-time, are automatically included in the plan. The per-hour rate for tuition will be fixed for a four-year period as long as the student maintains continuous enrollment as an undergraduate. If a student's major is recognized as requiring more than four years to complete, the guaranteed rate will be extended to cover the expected time for degree completion. Each year the University's Board of Trustees sets new rates for the entering class. If a fee is added and approved by the Board, such as funding a new student service, the fee will apply to all students when implemented. For more information on the Tuition Guarantee, please contact the Office of Admissions, located in Sherman Hall 115, telephone (309) 298-3157.

Honors in the Major

Western Illinois University's Honors in the Major program provides academically accomplished students with the opportunity to pursue an enriched educational experience within their chosen discipline. Working closely with faculty mentors, students engage in advanced coursework, in-course honors projects, and, in many academic programs, more extensive scholarly, creative, or professional experiences tailored to their field of study. Because Honors in the Major is discipline-specific, requirements vary by academic program while maintaining a commitment to academic excellence, independent inquiry, and faculty mentorship.

Students who successfully complete the requirements graduate with the designation of Honors Scholar, which is recognized at commencement and noted on the student's official Western Illinois University transcript. Honors students may also be eligible for designated scholarships and other academic opportunities. For more information, please email *honors@wiu.edu*.

Individualized Degree Program

Bachelor of Arts in General Studies Degree Program: The Bachelor of Arts in General Studies degree program is a highly flexible approach to undergraduate education without a traditional major. The program is designed for students who are place-bound by work and/or family responsibilities. The fully online degree program permits maximum transfer of credit, as well as credit earned for individually selected courses, prior learning portfolios, military training, and proficiency examinations. Those students unable to attend on-campus classes may enroll in online courses or coursework offered at extension sites. For more information on the Bachelor of Arts in General Studies degree program, please see page 166 of this catalog or go to *wiu.edu/bgs*.

Integrated Baccalaureate and Master's Degree Programs

Western Illinois University offers the following integrated baccalaureate and master's degree programs:

Bachelor of Business in Accountancy / Master of Accountancy
Bachelor of Business in Accountancy / Master of Business Administration
Bachelor of Science in Agriculture / Master of Business Administration
Bachelor of Arts in Anthropology / Master of Arts in Museum Studies
Bachelor of Arts in Art / Master of Arts in Museum Studies
Bachelor of Fine Arts in Art / Master of Arts in Museum Studies
Bachelor of Business in Business Administration / Master of Business Administration
Bachelor of Science in Chemistry / Master of Science in Chemistry
Bachelor of Arts in Communication / Master of Arts in Communication
Bachelor of Science in Computer Science / Master of Science in Computer Science
Bachelor of Science in Computer Science / Master of Business Administration
Bachelor of Science in Emergency Management / Master of Arts in Public Safety Administration
Bachelor of Science in Fire Protection Services / Master of Arts in Public Safety Administration
Bachelor of Science in Forensic Chemistry / Master of Science in Chemistry
Bachelor of Arts in General Studies / Master of Science in College Student Personnel (Higher Education Leadership option)
Bachelor of Arts in General Studies / Master of Arts in Public Safety Administration
Bachelor of Science in Geographic Information Science / Master of Science in GIScience and Geoenvironment
Bachelor of Arts in History / Master of Arts in History
Bachelor of Science in Law Enforcement and Justice Administration / Master of Arts in Public Safety Administration
Bachelor of Science in Law Enforcement and Justice Administration / Master of Business Administration
Bachelor of Science in Mathematics (Mathematics and Data Science and Statistics options) / Master of Science in Mathematics
Bachelor of Science in Meteorology / Master of Science in GIScience and Geoenvironment
Bachelor of Arts in Political Science / Master of Arts in Political Science
Bachelor of Science in Recreation, Sport, and Tourism Administration / Master of Arts in Museum Studies
Bachelor of Science in Recreation, Sport, and Tourism Administration / Master of Science in Recreation, Sport, and Tourism Administration
Bachelor of Science in Recreation, Sport, and Tourism Administration / Master of Science in Sport Management
Bachelor of Arts in Sociology / Master of Arts in Sociology

These programs are administered by the respective academic schools. An integrated baccalaureate and master's degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Typically, a baccalaureate degree requires four years to complete, and a master's degree requires an additional two years. However, the integrated degree programs are intended to be accomplished over a period of five years. In addition to allowing students to earn both degrees a year early, the integrated programs may include additional opportunities to participate in a variety of experiential educational activities such as a master's project or thesis. For additional information about the integrated baccalaureate and master's degree programs, please refer to the *Western Illinois University Graduate Catalog*.

Special Study Opportunities

Study Abroad Opportunities

Study abroad provides students with opportunities to complement and enhance their classroom instruction through engagement with the culture and language of another country. Students can participate in a variety of educational programs. To be eligible, undergraduate students must be in good academic and student conduct standing, have a cumulative GPA of 2.5 or higher, and have completed at least 12 s.h. of undergraduate coursework at WIU. Some programs may have additional eligibility requirements. Students interested in studying abroad should consult with their advisor or Miguel Huerta at *M-Huerta2@wiu.edu* for more information.

University Advising Program (for undeclared students)

Many students choose to explore several major options when entering college. Western Illinois University designates these persons as University Advising students, who can remain in this category until they have earned 45 credit hours. Students are required to declare a major at this point. The University Advising program is housed in the First Year Advising Center.

The University Advising Program enables students to examine major and career options while concentrating on coursework necessary for the University General Education Curriculum. The emphasis on General Education courses permits students to make progress toward graduation while still undecided about a specific major. Advisors help students evaluate interests, goals, values, and abilities, and apply this self-knowledge to the exploration of various majors.

University Advising is a positive option for students who are uncertain about their future plans and wish to explore academic and career possibilities during their first semesters at the University.

Admission to the University 22–31

Admission Procedures
Freshmen
Transfer Students
Veterans
International Students
Bachelor of Arts in General Studies Degree
Administrative Admission
Credit by External Examination
Concurrent Admissions Program (ConAP)
Reentry
New Start Policy
Immunization Policy

Costs 32–37

Tuition and Fees
Miscellaneous Fees and Charges
On-Campus Housing
Expected Expenses
Billing System
Student Health Insurance
University Credit/Refund Policy
Residency Status Regulations

Financial Assistance 38–39

Scholarships
Grants and Loans
Employment
Senior Citizen Tuition Waivers
VA Pending Payment Compliance

Educational Records Policy 40–41

Admission

Admission Procedures

Western Illinois University is an Equal Opportunity/Affirmative Action educational institution and does not discriminate in any aspect of its educational programs or activities on the basis of sex, race, color, sexual orientation, gender identity, gender expression, religion, age, marital status, national origin, disability, or veteran status.

Students interested in attending Western Illinois University should apply at *wiu.edu/apply*.

Supportive admission documents sent with admission forms are not returnable or transferable. Our email address is *admissions@wiu.edu*, and our mailing address is:

Office of Admissions
Sherman Hall 115
1 University Circle
Western Illinois University
Macomb, IL 61455-1390

Applications processed through the Office of Admissions must include a non-refundable application fee of $30 for domestic students and $50 for international students.

Withholding information requested in the application or giving incorrect statements may render a student ineligible for admission or may result in dismissal.

Freshmen

Admission Standards

Note: For additional information specific to international applicants, please see International Students (p. 29).

Western Illinois University is committed to admitting students whose academic records indicate a high potential for success. Students are generally considered for freshmen admission if they are currently enrolled in high school or if they have never attended a college or university since graduating from high school. Students must earn a high school diploma.

1. Candidates with a minimum 3.00 cumulative high school grade point average or higher (on a 4.00 scale) will be offered regular admission.
2. Candidates with a 2.75–2.99 cumulative high school grade point average (on a 4.0 scale) will be offered direct Reach admission.
3. Candidates with a 2.25–2.74 cumulative high school grade point average (on a 4.0 scale) will be reviewed for Reach admission.
4. GED, proficiency-based school applicants, and standards-based school applicants without a test score will be considered for admission using a full holistic review of all credentials.
5. Students in the top 10% of their high school class at an accredited Illinois public or private high school will be automatically admitted to WIU.

Applicants whose high school GPA falls below regular admission criteria are considered for admission through alternative evaluation. Students may be admitted regularly or into the Reach Program (alternative admission program). To guarantee full consideration for admission as an incoming freshman through this alternative credential evaluation, applicants are encouraged to submit an application and supporting materials by March 1. For more information about the Reach Program, please visit *wiu.edu/reach*.

Note: WIU considers applications on a rolling admission basis. Students are encouraged to submit all documentation prior to August 1 for the fall semester, November 1 for the spring semester.

All new freshman applicants to Western Illinois University must submit an official or unofficial current transcript listing courses taken and in progress. Unofficial transcripts will be considered for admission, but a final official transcript must be submitted immediately upon completion of high school.

High School Course-Specific Requirements:

Freshmen entering WIU are to have completed the following high school coursework before entering the University:

a. English: four years with an emphasis on written and oral communication and literature.

b. Social Studies: three years with an emphasis in history and government.

c. Mathematics: three years of introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming.

d. Science: three years of laboratory sciences which include biology, chemistry, physics, earth science, or other college preparatory sciences.

e. Other: two years to be selected from art, film, foreign language, music, speech, theatre, journalism, religion, philosophy, and vocational education.

In the event that new students have deficiencies in course-specific requirements, the University will consider alternative evidence or other academic activities in determining the mastery of the knowledge and skills in the area(s) of the deficiency.

Other Special Admission Provisions

Applicants without a High School Diploma

Persons who do not have a high school diploma and are not currently attending high school may apply for admission if they have passed the General Educational Development (GED) test.

Non-Degree Status

Any student who has earned a high school diploma or its equivalent may attend Western as a non-degree student without meeting the regular admission requirements under the following provisions:

1. The student may enroll in no more than six semester hours per term, and may accrue no more than 30 semester hours at WIU.
2. Students who have earned more than 30 semester hours of college credit at Western Illinois University are not normally eligible for non-degree status. However, such students may appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for non-degree status.
3. Students currently on academic probation or suspension are ineligible for non-degree status.
4. Non-degree students must apply to CAGAS if they wish to be considered for degree candidacy.
5. Non-degree students are not eligible for financial aid or automatic scholarship opportunities.

Dual Enrollment High School Students

High school students may be accepted for special admission to enroll in University courses while concurrently enrolled in secondary school. The following provisions apply:

1. The student must meet regular admission criteria.
2. The high school principal, counselor, or an appropriate designee must provide written support for the admission application.
3. Students must agree to pursue academic advising through the First Year Advising Center in Macomb or Quad Cities Student Success, as appropriate.
4. Students may enroll for a maximum of 10 semester hours per term without permission of the Council on Admission, Graduation, and Academic Standards (CAGAS).
5. Only 100- or 200-level courses, in which the student meets WIU placement or prerequisite requirements, may be taken without permission of the appropriate School Director.
6. Exceptions to the above policy must be approved by CAGAS.

Visiting/Guest Students

Students who are degree candidates at other institutions may attend Western for one term under the following provisions:

1. Students must submit an application to the Office of Admissions for one semester.
2. Students must submit an official transcript from their last school attended verifying that they are in good status at that institution,
   OR
   Complete a personally signed WIU Visiting Student Form attesting good standing at the last school attended.

Transfer Students

Note: For additional information specific to international applicants, please see International Students (p. 29).

General Requirements

Applicants who have earned 24 or more semester hours (36 or more quarter hours) of college work will be considered for admission on the basis of college performance only. A combined 2.0 on a 4.0 scale for all hours attempted from all institutions attended is required for admission. Applicants who have earned fewer than 24 semester hours (36 or fewer quarter hours) of college work must meet the freshmen admission standards, and have a combined C average for all hours attempted from all institutions attended.

Transcripts from each college and university attended must be sent directly from the institution(s) attended to the Office of Admissions at Western Illinois University. The recommended application deadline for students applying for fall semester is August 1, and January 1 for spring semester. *Failure to report any previous college work may result in dismissal from the University.* Transcripts received from other colleges and universities are utilized for admission purposes only and are not returnable or transferable.

Transfer credits may be accepted from another college or university of recognized standing. If the applicant is not from a regionally accredited school, credits may be accepted only after examination or by validation through satisfactory work at WIU. WIU will not accept for transfer credit a course equivalent to ENG 180 or 280 in which

below C level work was recorded at a previous institution. This provision does not apply to students entering under the Community College Compact Agreement or the IAI General Education Core Curriculum.

To earn a baccalaureate degree, a transfer student must complete a minimum of 120 semester hours of credit, of which 60 semester hours must be completed at an accredited four-year institution. *Exceptions may be made for courses that are required for a student's major, and when the course is not offered at the WIU campus for which the student is enrolled, nor is there distance education access through WIU.* A minimum of 42 semester hours credit must be earned in upper-division courses (courses numbered 300 or above) from an accredited four-year institution. The student must also fulfill the University's General Education requirements (please see University General Education Curriculum, p. 70) and meet graduation requirements for a degree from WIU (please see Graduation Requirements, p. 44).

New transfer students who appeal and are accepted on probation are required to earn a minimum 2.00 cumulative grade point average by the end of their first term of enrollment.

Partner Schools (Transfer Pathways)

Western Illinois University is committed to facilitating the best transfer experience possible. Transfer Pathways are designed to facilitate conversations between students and their academic advisor at the community college. For more information, please contact the Office of Admissions at (309) 298-3157 or by email at *transfer@wiu.edu*. For the most up-to-date list of WIU's partner schools, please see *wiu.edu/2plus2*.

Illinois Statewide Articulated Baccalaureate-Oriented Associate Degrees

Associate of Arts, Associate of Science, and Associate of Art and Science Degree Graduates—Compact Agreement

Completion of an associate's degree in a baccalaureate-oriented program (Associate of Arts, Associate of Science, or Associate of Art and Science) at an accredited institution provides that the student will: (a) be accepted with junior standing, and (b) be considered to have completed the University General Education requirements at Western Illinois University. The associate's degree must include the equivalent of 60 semester hours with at least a C average. Western Illinois University will also honor the community college commitment if Western Illinois University credit is used to complete the associate's degree.

Associate of Arts in Teaching (Early Childhood Education, Mathematics Education, Science Education, or Special Education) Degree Graduates

Western Illinois University is a participant in four statewide articulated Associate of Arts in Teaching (A.A.T.) degree programs—Early Childhood Education, Mathematics Education, Science Education, and Special Education. Completion of an A.A.T. degree must be in one of four fields (Early Childhood Education, Mathematics Education, Science Education, or Special Education) and will only be accepted for transfer into a Teacher Education program in that same field. Students transferring into Western Illinois University with an A.A.T. must meet cumulative GPA requirements for being accepted into WIU's Teacher Education Program. Those completing the A.A.T. in Mathematics Education, Science Education, or Special Education must have a cumulative GPA of 2.5 from the community college at which they completed their program; and those completing the A.A.T. in Early Childhood Education must have a cumulative GPA of 2.0.

Early Childhood/Mathematics/Special Education: Completion of an approved statewide articulated A.A.T. degree in Early Childhood Education, Mathematics Education, and Special Education at an accredited Illinois two-year institution provides

that the student will: (a) be accepted with junior standing, and (b) be considered to have completed the University General Education requirements at Western Illinois University.

Science Education: Completion of an approved statewide articulated A.A.T. degree in Science Education at an accredited Illinois two-year institution provides that the student will be accepted with junior standing. Students must fulfill the University's General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 37 s.h. University General Education requirements.

Associate of Applied Science Degree Graduates

Early Childhood AAS: Completion of an Associate of Applied Science degree in Early Childhood Education from any Illinois community college provides that students who transfer into the B.S.Ed. in Elementary Education, Early Childhood Education option will: (a) be accepted with junior standing, and (b) be considered to have completed the University General Education requirements at Western Illinois University.

Associate of Engineering Science or Associate of Fine Arts (Art, Art Education, Music, or Music Education) Degree Graduates

Completion of an approved statewide articulated Associate of Engineering Science (A.E.S.) or an Associate of Fine Arts (A.F.A.) in Art or Music degree at an accredited Illinois two-year institution provides that the student will be accepted with junior standing. Students must fulfill the University's General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 37 s.h. University General Education requirements.

Illinois Articulation Initiative (IAI)

Western Illinois University is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Illinois General Education Core Curriculum between participating institutions. Completion of the transferable General Education Core Curriculum at any participating college or university in Illinois assures transferring students that General Education requirements for a bachelor's degree have been satisfied. WIU will award transfer credit for Illinois General Education Core Curriculum courses taken at other institutions of higher education in accordance with the evaluation of transfer credit policy provided below. The following codes identify qualifying General Education courses: IAI C (Communication), IAI F (Fine Arts), IAI H (Humanities), IAI L (Life Sciences), IAI M (Mathematics), IAI P (Physical Sciences), and IAI S (Social/Behavioral Sciences). The appropriate IAI code follows the course descriptions of matching WIU courses in the Course Descriptions section of the catalog (p. 274). A complete listing of the WIU courses that match IAI General Education Core Curriculum course descriptions as of July 1, 2026, is provided on page 426.

Evaluation of Transferable General Education Credit

The following guidelines will govern the evaluation of transfer credit for the University General Education Curriculum.*

- *Courses taken at other accredited Illinois institutions.* Western Illinois University will accept for credit toward completion of the University General Education Curriculum courses taken at other accredited Illinois institutions of higher education. Students who have completed courses equivalent to those in the Illinois Transferable General Education Core Curriculum or University General Education requirements will be granted credit toward fulfilling University General Education requirements. Students may also be eligible to receive credit toward University General Education requirements for completion of transfer coursework viewable at *transferology.com*.

- *Students who have completed an associate's degree.* Transfer students who complete an associate's degree in a baccalaureate-oriented program (that meets general education requirements) at an accredited two-year institution will: (a) be accepted with junior standing at Western Illinois University, and (b) be considered to have completed the University General Education Curriculum. The associate's degree must include the equivalent of at least 60 s.h. with at least a C average. Students who have completed the Associate of Arts in Teaching in Science Education, the Associate in Engineering Science, or the Associate in Fine Arts in Art or Music must fulfill the University's General Education requirements by completing: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 37 s.h. University General Education requirements.
- *Students who have completed the Illinois Transferable General Education Core Curriculum but have not earned an associate's degree.* Transfer students from accredited Illinois institutions of higher education who have not earned an associate's degree in a baccalaureate-oriented program but have completed the Illinois Transferable General Education Core Curriculum will be considered to have completed the University General Education Curriculum. Western Illinois University will honor the Illinois Transferable General Education Core Curriculum if Western Illinois University credit is used to complete the Illinois Transferable General Education Core Curriculum.
- *Students who have not completed the Illinois Transferable General Education Core Curriculum or an associate's degree.* Transfer students from accredited Illinois institutions of higher education who have not earned an associate's degree or completed the Illinois Transferable General Education Core Curriculum must complete one of the following: (1) the 37 s.h. Illinois Transferable General Education Core Curriculum, or (2) the 37 s.h. University General Education requirements. Students who have satisfactorily completed courses within the Illinois Transferable General Education Core Curriculum will be granted credit towards fulfilling comparable University General Education requirements at WIU.
- *Non-accredited institutions.* Individuals who have earned credits at non-accredited institutions will be evaluated on a course-by-course basis.
- *Students with quarter-system credits.* The University will waive a fraction of a semester hour of the minimum hours required from a specific area of the University General Education Curriculum for students with quarter-system credits.
- *Students who utilized grade replacement options.* For courses that have been repeated, WIU follows the rule of the credit-granting school for that credit. If the school grants credit for the course both times the course is taken, WIU will take the first grade if it was a passing grade.

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*1. In addition to the University General Education requirements, students must complete major, minor, college-specific, and other requirements to earn the baccalaureate degree.

*2. Coursework completed at community colleges and lower-division coursework completed at four-year institutions will transfer to WIU as lower-division credit, even if the equivalent WIU course is offered as an upper-division course.

*3. To satisfy the Communication Skills writing requirement, transfer students must have earned a grade of C or better in each of the courses noted as equivalent to ENG 180 and ENG 280 unless waived by the Community College Compact Agreement or the IAI Transferable General Education Core Curriculum.

Evaluation of Baccalaureate Major Transfer Credit

The following guidelines will govern the evaluation of transfer credit for the baccalaureate major.**

- Western Illinois University may accept for credit toward completion of a baccalaureate major courses taken at other accredited institutions of higher education. Transfer students who have completed courses in a transferable IAI baccalaureate major program that are equivalent to courses required for the appropriate WIU major will be granted direct equivalent credit toward completion of the WIU major. Students may also be eligible to receive credit toward major requirements for the completion of transfer coursework included at *itransfer.org*.
- Suggested coursework in a transferable IAI baccalaureate major that is determined not to have a WIU equivalent will be accepted as a subject elective. Electives may apply towards completing the minimum 120 s.h. requirement for the baccalaureate degree. The School housing the major will determine if such courses may apply toward completing specific requirements for the major.
- Individuals who have earned credits at non-accredited or foreign institutions will be evaluated on a course-by-course basis.
- *Students who utilized grade replacement options.* For courses that have been repeated, WIU follows the rule of the credit-granting school for that credit. If the school grants credit for the course both times the course is taken, WIU will take the first grade if it was a passing grade.
- *Student Transfer Achievement Reform Act (STRA)*. In accordance with STRA, a qualifying transfer student who remains in the same program of study and has completed applicable lower-division major transfer requirements will not be required to complete more than 60 additional semester hours beyond the lower-division major requirements for a 120-semester-hour major, except for specified high-unit majors as permitted by law. Approved Illinois Articulation Initiative (IAI) lower-division coursework transfers as direct course equivalents whenever applicable and consistent with University degree requirements. Transfer students meeting applicable admission, transfer, and program requirements will not be required to complete additional institutional degree requirements beyond those required of similarly situated native students except where permitted by law or necessary for accreditation, licensure, or programmatic requirements.

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** Coursework completed at community colleges and lower-division coursework completed at four-year institutions will transfer to WIU as lower-division credit, even if the equivalent WIU course is offered as an upper-division course.

Reverse Transfer Credit

Pursuant to the Student Transfer Achievement Reform Act [110 ILCS 150], Reverse Transfer is a program designed for students who transferred from an Illinois public community college to WIU, but without earning their associate's degree prior to transfer. Transfer students with at least 15 transferrable credit hours from a public community college in Illinois are eligible for reverse transfer consideration upon achieving junior standing (60 hours earned). Through reverse transfer, eligible students may transfer WIU courses back to the community college in order to determine if an associate's degree may be awarded, while pursuing their baccalaureate degree. To opt-in to the Reverse Transfer program, visit *wiu.edu/registrar/revtransfer.php*.

Veterans

Veterans returning from at least one year of active military service who have received an honorable discharge will be admitted to Western Illinois University without regard to previous academic performance provided that WIU is the first school that the veteran attends after leaving the service. Applicants in this category are required to have graduated from a recognized high school or to have earned a High School Equivalency Certificate (GED). Applicants must submit the same academic documents required of those not in this admission category. In addition, veterans must submit a copy of form DD-214. Documents can be mailed or emailed.

These provisions also apply to individuals who have served for at least a year in VISTA, the Peace Corps, or similar programs.

International Students

International students who are interested in applying as new freshmen or transfer students should refer to *wiu.edu/grad/international* for full details on the admission requirements, admission process, English language proficiency requirements, tuition costs, and available scholarships. The international application can also be found at *wiu.edu/apply*.

International applicants may email inquiries to *International-Inquiries@wiu.edu*.

United States citizens living abroad and undocumented persons domiciled in the United States who fall under House Bill 60 (students who have been in high school for three years in the State of Illinois) are not considered international applicants for purposes of this requirement and should contact the Office of Admissions.

Bachelor of Arts in General Studies Degree

The Bachelor of Arts in General Studies degree program provides students an opportunity to earn a regionally accredited bachelor's degree that can be completed fully online, and requires no on-campus attendance. The General Studies program allows for maximum transferability of courses and is designed to meet the student's individual needs. This program is highly individualized and extremely flexible, and students may earn academic minors to align with their goals. Please see page 166 of this catalog or *wiu.edu/bgs* for additional information on the Bachelor of Arts in General Studies degree program.

Administrative Admission

If a prospective student does not meet admission requirements or has been denied admission, any member of the University staff, faculty, administration, or Board of Trustees may recommend the student for admission consideration when there are mitigating circumstances.

Credit by External Examination

Western Illinois University grants college-level credit to students successfully completing any of the programs listed below prior to enrollment at Western. Students can receive up to 30 semester hours of credit for graduation from military, external testing, or a combination of both.

- College Level Examination Program (CLEP)
- Defense Activity for Nontraditional Education Support (DANTES)
- International Baccalaureate (IB)
- Proficiency Examination Program (PEP)
- Seal of Biliteracy (HB 4330)
- Advanced Placement (AP) — note this is not included in the 30 s.h. limit

For specific information related to score requirements and academic areas covered by these programs, please contact the Office of Admissions, Sherman Hall 115, telephone (309) 298-3157, *admissions@wiu.edu*, or *wiu.edu/admissions*.

Concurrent Admissions Program (ConAP)

ConAP is a program for students who are planning to enlist directly into military service after high school or community college. Sponsored by the U.S. Army Recruiting Command and the Servicemembers Opportunity Colleges, the program allows individuals to seek admission to a college or university at the same time they enlist in the Army or Army Reserve. Enrollment is deferred until completion of active military service. The student must meet admission and degree requirements of the catalog in effect at the time of enrollment in classes at WIU. In addition, veterans must submit a copy of form DD-214. Enrollment of a ConAP student who has attempted college coursework elsewhere is subject to academic performance standards stated in the catalog. A ConAP student receiving less than an honorable discharge must meet regular freshman and/or transfer admission requirements. For additional information, please contact the Office of Admissions, Sherman Hall 115, telephone (309) 298-3157, or email *admissions@wiu.edu*.

Reentry

Any former undergraduate who has not attended Western Illinois University for one or more spring or fall terms must submit an undergraduate reentry form to the Office of the Registrar, Sherman Hall 110. An electronic reentry form may be accessed online at *wiu.edu/registrar/readmission.php*. If students have taken any college-level coursework since attending WIU, they must have an official transcript of this work sent directly to WIU. A student who has been academically suspended and inactive one regular semester following the suspension will be readmitted without appeal to the University by completing the reentry form. The student will be placed on academic probation and required to meet specific stipulations assigned by the University. A student who has been academically dismissed (has one or more academic suspensions) can attend Western without an appeal during the summer term. If at the end of any summer term, the student's cumulative grade point average is equivalent to 2.00 or higher, the student may continue at Western.

Reentry forms and necessary transcripts must be on file at least *two weeks* prior to the term for which the student is applying.

Students who reenter the University after an absence of two regular terms must meet the requirements of the current catalog unless they receive written permission from the dean of the college in which they are enrolled to continue under an earlier catalog. This written permission must be filed in the Office of the Registrar within nine weeks of matriculation, and the catalog chosen may not predate reentry by more than three years.

New Start Policy

This policy is designed for former WIU students with a severe cumulative honor point deficiency who have not attended WIU for a minimum of three years.

1. Former WIU students who have not attended WIU for at least three years may petition the Council on Admission, Graduation, and Academic Standards (CAGAS) to have prior grades excluded from subsequent grade point average calculations. Such appeals must be received and approved prior to the student's reentry to WIU.
2. All hours earned will count toward total hours for graduation.
3. All students must have at least a C average in all WIU courses counted toward the major and the minor for graduation.

The New Start provision may be exercised only once, and all grades that a student has received at WIU will be used to determine class rank and honors. Any student under this policy must complete a minimum of 30 semester hours after returning to WIU to qualify for graduation. All courses taken and grades earned will appear on the transcript.

Immunization Policy

Illinois state law and University policy require all enrolled students to provide official written evidence to Beu Health Center of current immune status with respect to certain communicable diseases. Effective July 21, 2016, the diseases to which all enrolled students must show immunity are meningitis, measles, mumps, rubella, tetanus, and diphtheria.

This policy is implemented under the authority of the College Student Immunization Act (110 ILCS 20) and associated rules (Title 77, Chapter 1, Subchapter k, Part 694). Please refer to *wiu.edu/policies/immun.php* for Western Illinois University's current Immunization Protocol policy.

Costs

Tuition and Fees

Tuition and University fees are subject to change without notice by action of the Western Illinois University Board of Trustees.

Western Illinois University offers a guaranteed tuition rate for each new class of entering students. The guaranteed rates remain in effect for four years as long as students maintain continuous enrollment. Students who finish a degree program and who continue at the University will be assessed the appropriate rate in effect at the time of their next enrollment. The tuition and fee rates for new undergraduate students (first enrolled Fall 2026, Spring 2027, or Summer 2027) appear below. Tuition and fee rates for returning students may be obtained by contacting the Billing and Receivables Office located in Sherman Hall 121, telephone (309) 298-1831, or at *wiu.edu/billing*.

The 2026–2027 University fee rate is $101.56 per semester hour. Summer fee rates may be obtained at *wiu.edu/billing*.

Undergraduate Domestic Students				***Undergraduate International Students***			
Hours	**Tuition**	**Fees**	**Total**	**Hours**	**Tuition**	**Fees**	**Total**
1	$350.10	$101.56	$451.66	1	$612.68	$101.56	$714.24
2	$700.20	$203.12	$903.32	2	$1,225.36	$203.12	$1,428.48
3	$1,050.30	$304.68	$1,354.98	3	$1,838.04	$304.68	$2,142.72
4	$1,400.40	$406.24	$1,806.64	4	$2,450.72	$406.24	$2,856.96
5	$1,750.50	$507.80	$2,258.30	5	$3,063.40	$507.80	$3,571.20
6	$2,100.60	$609.36	$2,709.96	6	$3,676.08	$609.36	$4,285.44
7	$2,450.70	$710.92	$3,161.62	7	$4,288.76	$710.92	$4,999.68
8	$2,800.80	$812.48	$3,613.28	8	$4,901.44	$812.48	$5,713.92
9	$3,150.90	$914.04	$4,064.94	9	$5,514.12	$914.04	$6,428.16
10	$3,501.00	$1,015.60	$4,516.60	10	$6,126.80	$1,015.60	$7,142.40
11	$3,851.10	$1,117.16	$4,968.26	11	$6,739.48	$1,117.16	$7,856.64
12	$4,201.20	$1,218.72	$5,419.92	12	$7,352.16	$1,218.72	$8,570.88
13	$4,551.30	$1,320.28	$5,871.58	13	$7,964.84	$1,320.28	$9,285.12
14	$4,901.40	$1,421.84	$6,323.24	14	$8,577.52	$1,421.84	$9,999.36
15	$5,251.50	$1,523.40	$6,774.90	15	$9,190.20	$1,523.40	$10,713.60
16	$5,601.60	$1,624.96	$7,226.56	16	$9,802.88	$1,624.96	$11,427.84
17	$5,951.70	$1,726.52	$7,678.22	17	$10,415.56	$1,726.52	$12,142.08
18	$6,301.80	$1,828.08	$8,129.88	18	$11,028.24	$1,828.08	$12,856.32
19	$6,651.90	$1,929.64	$8,581.54	19	$11,640.92	$1,929.64	$13,570.56
20	$7,002.00	$2,031.20	$9,033.20	20	$12,253.60	$2,031.20	$14,284.80

Health insurance will also be assessed for students meeting the requirements. More information is available in the Student Health Insurance section (p. 34). The student insurance rate for 2026–2027 is $1,075.00 per semester.

Dual Enrollment High School Students are not assessed University fees. For additional information regarding this admission status, please see *wiu.edu/student_services/undergraduate_admissions/prospective/nontraditional.php*.

Miscellaneous Fees and Charges

Audited Courses: Audited courses are assessed tuition and fees per hour based upon the appropriate rate schedule.

New Student Transition: A non-refundable New Student Transition Fee is assessed to first-time students attending the Macomb campus. This fee encompasses publications and programs coordinated by Admissions.

Transcript: A $15 non-refundable transcript fee will be assessed to all new matriculating students. This fee entitles the student to unlimited paper transcripts. An additional charge applies to expedited transcripts.

On-Campus Housing

Because living in the residence hall is such an important part of a student's college experience, all freshman and sophomore students (defined as fewer than 60 credit hours) are required to live in a University residence hall. All exceptions to this policy must be approved in writing through the petition process.

Students residing with parents or a legal guardian within a 40-mile radius of Macomb; veterans with one year of active service; students who are married, or in a documented domestic partnership; or students who have primary custody of dependent children are exempt from this policy but must contact University Housing and Dining Services in writing to obtain an official exemption. All exemptions to this policy must be approved in advance by submitting a petition form to University Housing and Dining Services. Freshman and sophomore students not in compliance with the University's residency policy will be restricted from registering for classes and may be subject to the appropriate financial charges for the period they were not in compliance with the policy. Residence hall applications/contracts are for the full academic year for all students.

Students of junior and senior standing (at least 60 credit hours) may reside in accommodations of their choosing.

The 2026–2027 residence hall room and meal plan rates per semester for new students appear below. Room and meal plan rates are subject to change without notice by action of the WIU Board of Trustees.

2026–2027 Room Rates with Meal Plan Per Semester

		Grote Hall	Corbin Suite
Double Occupancy	$6,181.00	$6,656.00	$6,481.00
Single Occupancy	$7,869.00	$7,713.00	$9,316.00
Super Single	$8,056.00		
Super Double	$6,481.00		

Expected Expenses

A new full-time undergraduate student with 15 semester hours could expect to incur the following expenses during the 2026–2027 academic year:

	Semester	*Academic Year*
Tuition	$5,251.50	$10,503.00
University Fees and Health Insurance	$2,598.40	$5,196.80
Orientation, ResNet, and Transcript Fees	$300.00	$435.00
Room (Double) and Meal Plan	$6,181.00	$12,362.00
Total Tuition, Fees, and Room/Meal Plan	***$14,330.90***	***$28,496.80***
Other Estimated Costs		
Books (estimate)	$600.00	$1,200.00
Personal Expenses (estimate)	$938.50	$1,877.00
Domestic Total (estimate)	***$15,869.40***	***$31,573.80***
International Total (estimate)	***$19,808.10***	***$39,451.20***

Costs

Amounts are subject to change without notice by action of the WIU Board of Trustees.

A cost estimator, which allows individuals to obtain cost estimates based upon specific student choices, is available on the Billing and Receivables Office website, *wiu.edu/billing*.

Billing System

The student receivables system brings University charges and credits into one account. The Billing and Receivables Office will compile the latest information from University offices (i.e., Financial Aid, Registrar, and University Housing and Dining) and prepare the monthly billing statement. A finance charge of 1% per month on the unpaid balance from the prior month's billing will be assessed. A student with an account balance will be denied registration.

The University bills by semester, not by academic year. Actively enrolled students will receive their billing statement notification via WIU email. Notification will be sent to students at their WIU email address when each bill is ready to view on STARS. Students may establish additional email addresses to which the notification may also be sent on STARS. The email will include the account balance and the due date. Details must be viewed on STARS. Failure to view a bill will not excuse finance charge assessments or late payment of the account. It is the responsibility of students to correct and update their address and email addresses on STARS.

Student Health Insurance

The Student Health Insurance Program is administered in cooperation with Beu Health Center through the Student Health Insurance Office. Students taking a minimum of 9 hours, with at least 1 on campus, are automatically enrolled in the Student Health Insurance Program, and all graduate assistants under contract to the University taking one hour or more of any type of classes are automatically assessed the insurance fee. Additional information may be obtained by contacting the Student Health Insurance Office, located in Sherman Hall 312, at (309) 298-1882.

Students whose coverage meets or exceeds the University waiver criteria may apply to opt out of the student insurance program by completing the online waiver application. Contact the Student Health Insurance Office at (309) 298-1882 for information on the waiver process. The final deadline for filing an insurance waiver form is the 10th day of the fall or spring semester or the 6th day of the summer session.

University Credit/Refund Policy

The following refund/credit policy is for regularly scheduled classes. Refund/credit periods for irregularly scheduled classes vary. Please refer to *wiu.edu/registrar* for more detailed information.

Dropped Course

Students enrolled in any combination of sessions, either on-campus or off-campus, must drop from the desired class within that session's 100% refund/credit period to avoid assessment of tuition and mandatory fee charges. Students will be assessed full tuition and fees in accordance with the University's tuition and fee schedule for classes dropped after the 100% refund/credit period. The 100% refund/credit periods for regularly scheduled classes are as follows:

- Fall and Spring semesters: on or before the 10th class day of the semester.
- Summer session: on or before the 6th class day of the session.

Total University Withdrawal

Procedures: Any student making a TOTAL University withdrawal MUST withdraw within established refund/credit dates to avoid charges. Prior to the first day of the semester, a student may completely withdraw from the University through STARS. On or after the first day of the semester, in order to completely withdraw from the University, students must do so in writing. They may submit a form through the Student Development and Success Center, or may submit their written request to the Office of the Registrar.

A student may withdraw during the first ten weeks of a regular semester. After the first ten weeks, a student may not withdraw from the University unless there are exceptional and documented circumstances. Withdrawal may affect a student's eligibility for current or future financial aid.

Fall and Spring Semesters: A student who has registered for regularly scheduled classes and officially and TOTALLY withdraws from Western Illinois University in accordance with established University procedures on or before the tenth class day of the semester shall receive 100% credit for all tuition and mandatory fees; and pro-rated credit for room and meal plan charges.

Students who officially and TOTALLY withdraw after the tenth day of the semester shall be entitled to a refund/credit of tuition, mandatory fees, and room and meal plan charges as follows:

Remainder of Week 3	80% refund
Week 4	70% refund
Week 5 and Week 6	60% refund
Week 7 and Week 8	50% refund
Week 9	40% refund
Week 10	30% refund
After Week 10	0% refund

Summer Session and Irregular Courses: The University designates shorter withdrawal credit periods for the Summer session, special courses, and irregular courses. Withdrawal credit periods are available at *wiu.edu/policies/refcred.php* or by emailing *R-Office@wiu.edu*.

Residency Status Regulations

Domestic and international tuition is assessed based on the following regulations. All questions related to residency may be directed to the Office of the Registrar, Sherman Hall 110, telephone (309) 298-1891, or email *R-Office@wiu.edu*.

1. Definitions

   For purposes of this regulation, the following definitions pertain:

   a. An "adult student" is a student who is eighteen or more years of age.

   b. A "minor student" is a student who is less than eighteen years of age.

   c. An "emancipated minor student" is a completely self-supporting student who is less than eighteen years of age. Marriage or active military service shall be regarded as effecting the emancipation of minors, for the purposes of this regulation.

   d. "Residence" means legal domicile. Voter registration, filing of tax returns, proper license and registration for driving or ownership of a vehicle, and other such transactions may verify intent of residence in a state. Neither length of University attendance nor continued presence in the University community during vacation periods shall be construed to be proof of Illinois residence.

Except as otherwise provided in this regulation, no student, parent, or legal or natural guardian will be considered a resident unless the student, parent, or guardian maintains a bona fide and permanent residence in Illinois, except when temporarily absent from Illinois, with no intention of changing his or her legal residence to some other state or country.

2. Residency Determination

   The University shall determine the residency status of each student enrolled in the University for the purpose of determining whether the student is assessed domestic or international tuition. Each applicant for admission shall submit at the time of application evidence for determination of residency in accordance with this regulation. The office responsible for admissions shall make a determination of residency status.

   a. If a non-resident is classified by error as a resident, a change in tuition charges shall be applicable beginning with the term following reclassification. If the erroneous resident classification is caused by false information submitted by the student, a change in tuition charges shall be applicable for each term in which tuition charges were based on such false information. In addition, the student who has submitted false information may be subject to appropriate disciplinary action.

   b. If a resident is classified by error as a non-resident, a change in tuition charges shall be applicable during the term in which the reclassification occurs, provided that the student has proven residency in accordance with this regulation.

3. Residency Requirements

   a. Adult Students

      To be considered a resident, an adult student must be a bona fide resident of Illinois as defined in 1.d. In the case of adult students who reside with their parent(s), the student will be considered a resident if one of the parents has established and is maintaining a bona fide residence in Illinois.

      To be considered a resident, an adult student not residing in Illinois must be a bona fide resident of one of the approval states outside of Illinois. The Board of Trustees will approve the appropriate states which will be listed in the cost section of the official Western Illinois University catalog.

   b. Minor Students

      The residence of minor students shall be considered to be the same as that of their parents or that of either parent if the parents are separated or divorced or that of their legally appointed or natural guardian such as a grandparent, adult sibling, adult uncle, or adult aunt by whom the minor has been supported.

   c. Emancipated Minors

      If emancipated minors actually reside in Illinois, such minors shall be considered residents even though their parents or guardians may not reside in Illinois.

   d. Minor Children of Parents Transferred Outside the State of Illinois

      The minor children of persons who have resided in Illinois immediately prior to a transfer by their employers to some location outside of the State of Illinois shall be considered residents. This rule shall apply, however, only when the minor children of such parents enroll in the University within five years of the time their parents are transferred by their employer to a location outside the State of Illinois.

e. Married Students

A non-resident student, whether a minor or adult, who is married to a person who meets and complies with all of the applicable requirements of these regulations to establish residence status, shall be classified as a resident.

f. Armed Forces Personnel

Non-residents of Illinois who are on active duty with one of the services of the Armed Forces of the United States who are stationed in Illinois and who submit evidence of such service and station, as well as the spouses and dependent children of such persons, shall be considered residents as long as such persons remain stationed in Illinois and the spouses and/or dependent children of such persons also reside in Illinois. If such persons are transferred to a post outside the continental United States but such persons remain registered at the University, residency status shall continue until such time as these persons are stationed within a state other than Illinois within the continental United States. Effective July 1, 2015, students using benefits under the federal Post-9/11 Veterans Educational Assistance Act of 2008 (Chapter 33), the All-Volunteer Force Educational Assistance (Chapter 30), or any subsequent variation of those Acts, WIU shall deem that student an Illinois resident for tuition purposes regardless of the covered student's state of residence.

g. Staff Members of the University, Allied Agencies, and Faculty of State-Supported Institutions in Illinois

Staff members of the University and of allied agencies, and faculties of state-supported institutions of higher education in Illinois, holding appointment of at least one-quarter time, and their spouses and dependent children, shall be treated as residents.

h. Teachers in Public and Private Illinois Schools

Teachers in the public and private elementary and secondary schools of Illinois shall, if subject to payment of tuition, be assessed at the resident rate during any term in which they hold an appointment of at least one-quarter time, including the summer session immediately following the term in which the appointment was effective.

4. Residency Status Appeal Procedure

Students who take exception to their residency status classification shall pay the tuition assessed but may appeal to the University Registrar by proving Illinois residency in accordance with these regulations. The appeal must be filed within sixty (60) calendar days from the date of the tuition bill or the student loses all rights to a change of residency status for the term in question. If the student is dissatisfied with the ruling in response to the appeal made within said period, the student may file a written appeal within thirty (30) calendar days of receipt of the decision of the Administrative Hearing Committee, which shall consider all evidence submitted in connection with the case and render a decision which shall be final.

5. Special Situations

The President may, in special situations, grant residency status to categories of persons otherwise classified as non-residents under this regulation.

Financial Assistance

State and federal student loans and grants, as well as scholarships, work-study programs, and campus jobs, are available to help ease the cost of attending college. 70% of WIU undergraduate students receive some type of financial assistance. Financial assistance is traditionally awarded in the form of scholarships, grants, loans, and student employment.

Scholarships

Scholarships at WIU provide educational opportunities for many students. Through the generosity of alumni, faculty and staff, friends, parents, corporations, and foundations, WIU disburses several million dollars in scholarships each year. Scholarship opportunities exist for all class levels, and most are based on academic achievement. For additional scholarship information, please contact the Office of University Scholarship Activities, Sherman Hall 303, telephone (309) 298-2001, email *sc-office@wiu.edu*, or *wiu.edu/scholarshipoffice*.

The Military Science Program (ROTC) has two-, three-, and four-year federal scholarships that pay either 100% of tuition and fees or $12,000 annually for room and meal plan (student's preference), plus $1,200 annually for books and an annual stipend of $4,200 ($420/month for 10 months). In addition to the federal scholarships, ROTC has 40 Illinois ROTC tuition waivers which cover full tuition and some fees for up to four years. (Additionally, students who transfer from an Illinois Community College to WIU and enroll in ROTC can apply for a tuition waiver that covers full tuition and some fees for four years.) For additional information, please contact Military Science in Horrabin Hall 103, telephone (309) 298-1161 or email *rotc@wiu.edu*.

Talent Grants and Tuition Waivers are awarded to students based on demonstrated talent in music, art, theatre, dance, and skills such as leadership or academic achievement. Students majoring in Art, Broadcasting, Music, or Theatre should contact the appropriate academic School to get information about the availability of talent grants. Awards based on leadership and academic achievement are usually given after students have generated a GPA at WIU, and/or become involved with various campus organizations.

Veterans Benefits: Questions related to most veterans benefits should be directed to the Veterans Resource Center located at 333 North Ward Street, (309) 298-3505. It provides coordinated services and resources in a one-stop location to ensure all veterans and service members are successful. They will ensure the Montgomery GI Bill® is certified by the designated school official and assist in administering the Illinois Veterans Grant and the Illinois National Guard Grant through the Financial Aid Office. More information about education benefits offered by VA is available at the official U.S. government Web site at *https://www.benefits.va.gov/gibill*. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Athletic Scholarships: Western Illinois University competes at the NCAA Division I level in the Ohio Valley Conference. Athletic scholarships are highly competitive. Prospective student-athletes interested in scholarship opportunities should contact the respective coaches/recruiting coordinators in their varsity sport of interest.

Grants and Loans

Information about federal and state student grants and loans is available from the Office of Financial Aid, Sherman Hall 127, telephone (309) 298-2446. Financial aid advisors are available to answer questions and to help with the application process. Most grants and loans are awarded on the basis of financial need as determined from the Free Application for Federal Student Aid (FAFSA), which is available through the Financial Aid website at *wiu.edu/fa*. Students are encouraged to apply early since some funds are limited.

Employment

Most students enrolled for a minimum of six semester hours during the academic year can apply for on-campus, regular student employment. Some students can qualify for Federal Work-Study positions based on financial need as determined by the Free Application for Federal Student Aid (FAFSA). Students are prohibited from working more than 20 hours per week while classes are in session. Information on regular student employment and Federal Work-Study jobs is available online at *wiu.edu/studentemployment*. For additional information on student employment opportunities, please contact Human Resources in Sherman Hall 105, telephone (309) 298-1971.

Senior Citizen Tuition Waivers

Students accepted for admission who are 65 years of age or older, and who are legal residents of Illinois with an annual household income less than the threshold amount provided in Section 4 of the "Senior Citizens and Disabled Persons Property Tax Relief and Pharmaceutical Assistance Act", shall be permitted to enroll in regularly scheduled courses, on a credit or noncredit basis, without the payment of tuition and mandatory fees provided that available classroom space exists and tuition-paying students enrolled constitute the minimum number required for the course. This regulation shall not apply to courses offered on a noncredit basis or to courses designed especially for senior citizens. Please contact Financial Aid, Sherman Hall 127, telephone (309) 298-2446, for further information.

VA Pending Payment Compliance

Beginning August 1, 2019, and despite any policy to the contrary, Western Illinois University will not take any of the four following actions toward any student using the U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to WIU:

- Prevent their enrollment;
- Assess a late penalty fee to;
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision, such students may be required to:

- Produce the VA's Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutions policies (see WIU's School Certifying Official for all requirements).

Family Educational Rights and Privacy Act (Notification to Students) Policy

Western Illinois University, in full compliance with the Family Educational Rights and Privacy Act of 1974, shall make educational records available to students upon request. Likewise, in accordance with the law, individually identifiable educational records will not be released to anyone other than authorized individuals without written consent of the student. Students have the right to file complaints with the Family Educational Rights and Privacy Act (FERPA) Office concerning alleged failures by the institution to comply with the Act.

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. (An "eligible student" under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day Western Illinois University receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

   A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

   If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and of the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

   The school discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by Western Illinois University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of Western Illinois University who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student who is volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Western Illinois University.

Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll. The Access to and Release of Student Information Policy (*wiu.edu/policies*) includes additional disclosures that are permitted by FERPA without prior written consent.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Western Illinois University to comply with the requirements by FERPA. The name and address of the Office that administers FERPA is:

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington, DC 20202

Western Illinois University considers the following categories to be directory information, and, as such, may release it to any or all inquirers in such forms as news releases, directories, or computer address lists:

1. the student's name,
2. school and home address,
3. WIU email address,
4. telephone number,
5. major field of study,
6. dates of attendance,
7. full- or part-time status,
8. classification,
9. degrees, honors, and awards received (including Dean's List) and date granted,
10. anticipated graduation date,
11. most recent previous educational agency or institution attended,
12. participation in officially recognized activities and sports, and
13. for members of athletic teams, weight and height.

Students who do not wish this information to be released may prevent such release by submitting an Exclusion of Directory Information Form to the Office of the Registrar, Sherman Hall 110. The request for exclusion of directory information will be honored indefinitely; however, it does not affect directory information already published or released. By requesting exclusion of directory information, students should be aware that all future requests for this information by anyone other than school officials with legitimate educational interests will be refused.

Graduation Requirements, Academic Regulations, and GradTrac

Graduation 44–47

University Graduation Requirements
Catalog Use
Commencement and Issuance of Diploma
Degrees with Distinction and Honors Scholar
Double Major
Minor
Option
Second Baccalaureate Degree

Grading Policies 48–50

Credits, Honor Points, and Grade Point Average
Dean's List (Semester and Summer Session Honors)
Grade Change
Incompletes
Pass/Fail System
Permanent Grades
Transcripts
Withdrawal from Courses or from the University

Course Credit 51–54

Numbering of Courses
Prerequisites/Corequisites
Proficiency Examination Regulations
Repeatable Courses
Repeating a Course for Grade Replacement
Undergraduate Enrollment in Graduate-Level Courses
Variable Credit Courses

Student Academic Progress 55–59

Academic Load
Assessment
Class Attendance
Classification of Students
Early Warning Notification
Eligibility to Represent the University
The First Four (First Year Experience)
Full-Time Student
Good Academic Standing
Integrated Baccalaureate and Master's Degree Programs
Penalties for Grade Point Average Deficiencies
New Start Policy
Satisfactory Academic Progress Policy for Financial Aid
Student Responsibility
Writing Instruction in the Disciplines (WID)

Academic Appeal.....60–61

Council on Admission, Graduation, and Academic Standards (CAGAS)
Academic Dishonesty Appeal
Grade Appeal
Oral English Proficiency Appeal
Right of Academic Appeal
Withdrawal from an Individual Course Appeal
Withdrawal from the University Appeal

Multicultural Perspectives Requirement 62–66

Mathematics Competency Requirement 67

University General Education Curriculum 68–74

GradTrac 75–76

Graduation

University Graduation Requirements

Students at WIU may graduate with Bachelor of Arts, Bachelor of Business, Bachelor of Fine Arts, Bachelor of Liberal Arts and Sciences, Bachelor of Music, Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Nursing, or Bachelor of Social Work degrees. Degrees are awarded at the end of each term.

Specific requirements for each degree can be found in the Academic Degree Programs section of this catalog (p. 117). In addition, all students who wish to graduate must:

1. **General Education:** Complete all the General Education Curriculum requirements.
2. **Grade Point Average (GPA):** Earn a minimum overall grade point average of 2.00 (C), and a minimum grade point average of 2.00 or better in their non-comprehensive major and minor or comprehensive major. (See individual college requirements.)
3. **Major/Minor:** Complete the specified requirements for their major or comprehensive major. A comprehensive major must include at least 48 semester hours. A non-comprehensive major must include at least 32 semester hours and at least 16 semester hours for a minor.

   Note: *A maximum of five semester hours of credit of a single, specific course, required by both a major and a minor, may be used by a student to fulfill requirements for both that major and minor when the major and minor are from different programs. This course cannot also be used to satisfy University General Education.*
4. **Multicultural Perspectives:** Fulfill the Multicultural Perspectives requirement for their major. (See p. 62.)
5. **Writing Instruction in the Disciplines (WID):** Fulfill the Writing Instruction in the Disciplines (WID) requirement in their major. (See p. 59.)
6. **Semester Hours:** Earn a minimum of 120 semester hours of credit. At least 60 of those hours must be from a four-year college or university; at least 42 must be earned in upper-division courses (numbered 300 and above, or their equivalent) from a four-year institution.
7. **Residency:** Complete at least 30 semester hours while in residence at WIU, at least 15 of which must be taken in the year prior to graduation. No more than 10 of these hours can be taken in Pass/Fail or non-credit courses. Credit earned by proficiency examination does not satisfy residence requirements.
8. **Military Credit/External Testing:** Count no more than 30 semester hours toward credit for graduation by military credit, external testing, or a combination of these.
9. **Mathematics Competency:** Demonstrate their ability to use baccalaureate-level skills in Mathematics. (See Mathematics Competency Requirement, p. 67.)
10. **Graduation Application:** File an application for graduation in the Office of the Registrar during the last semester as a junior. The graduation application is available at *wiu.edu/registrar/forms*.
11. **University Encumbrances:** Clear all financial and administrative obligations to the University before a diploma will be provided.

Catalog Use

Former students: Students who reenter the University after an absence of two or more semesters, excluding summer session, must meet the requirements of the current catalog unless they receive written approval from the dean of the college in which they are enrolled to continue under an earlier catalog. This written permission must be

filed in the Office of the Registrar within nine weeks of matriculation, and the catalog chosen may not predate re-enrollment by more than three years.

Transfer students: Transfer students accepted for admission to Western Illinois University may elect to meet the requirements of the catalog in effect when they first enrolled at a community college or other four-year institution, provided this Western Illinois University catalog does not antedate the catalog in effect upon their initial enrollment at Western by more than three years. They may also elect to meet the requirements of the current catalog. Catalog choice must be made within nine weeks of matriculation at Western Illinois University.

Commencement and Issuance of Diploma

Students who anticipate completion of academic requirements for graduation are eligible to participate in Commencement ceremonies. Although attendance at Commencement ceremonies is optional, students who wish to attend must indicate this on the graduation application and have that application on file in the Office of the Registrar no later than 60 days prior to Commencement exercises. Students who anticipate graduating at the end of the spring or summer term attend the May ceremony; students who anticipate graduating at the end of the fall semester attend the December ceremony.

Diplomas will be mailed to all students who have completed all graduation requirements and who do not have any University holds.

Degrees with Distinction and Honors Scholar

Academic Distinction

Candidates for the baccalaureate degree who have done outstanding work may graduate with academic distinction upon completion of their degree programs. To qualify for academic distinction, students must have completed at least 60 semester hours of letter-graded coursework (including S/U) at WIU, in addition to meeting the grade point requirements described below.

Students who have completed all of their coursework at WIU and who have a cumulative grade point average of 3.600 to 3.749 for all work completed will graduate *Cum Laude*. Candidates who have a cumulative grade point average of 3.750 to 3.899 for all work completed will graduate *Magna Cum Laude*. Candidates who have a cumulative grade point average of 3.900 or higher for all work will graduate *Summa Cum Laude*.

Students who have attempted or completed coursework at other institutions of higher education are also eligible to be considered for academic distinction. Grades for all coursework completed at WIU must meet the qualifications described above. In addition, grades for all coursework attempted at any other institution of higher education will be evaluated for academic distinction in the following manner: If the combined grade point average of grades for WIU coursework and coursework attempted at other institutions does not meet the thresholds listed above, then the student will not qualify for academic distinction. If the grade point average for coursework from all other institutions is higher than the WIU grade point average, only the WIU grade point average will be taken into account in the determination of academic distinction.

In accordance with WIU's policy on repeating a course for grade replacement, for purposes of calculating graduation with academic distinction, honor points for all attempts of a course will be averaged.

Graduation

Honors Scholar

Students may graduate with the distinction "Honors Scholar" by completing the Honors in the Major requirements. Please see page 227 for additional information about Honors in the Major.

Double Major

A student may graduate with two majors by meeting the following requirements:

1. One major must be declared as the primary major. The student must meet all requirements in the degree program for the primary major, including the General Education Curriculum requirements.
2. The requirements for the secondary major are only those required by the specific major.
3. No minor is required for a student graduating with a double major.
4. Primary and secondary majors must be so designated on the graduation application.

Important Note: Students completing two majors are granted only one degree with the degree title dictated by the primary major. Only one diploma will be issued.

Minor

All non-comprehensive majors require completion of a minor for graduation. Students enrolled in a non-comprehensive major must officially declare a minor before they earn 75 semester hours. Students must take at least one course from their minor at Western Illinois University in order to establish a grade point average (GPA) in the minor. A minimum GPA of 2.00 in the minor is required for graduation.

Option

An option is a subdivision of a major academic field of study. Successful completion of an option is designated on the University transcript upon receipt of the degree.

Second Baccalaureate Degree

To be eligible for a second baccalaureate degree, after having been granted a baccalaureate degree by an accredited institution, a candidate must comply with the following:

1. The candidate must apply to and be accepted by the School of Graduate Studies for admission to the University. Admission to the University requires the candidate to request an official transcript from each college or university previously attended be sent directly to the School of Graduate Studies.
2. The candidate must submit a degree plan from the School where the major is housed to be approved by the Council on Admission, Graduation, and Academic Standards (CAGAS) or its designated representative.
3. The candidate must secure approval from CAGAS or its designated representative prior to enrolling.
4. The candidate becomes an undergraduate upon approval of the second degree plan. All undergraduate University policies are applicable.

5. The candidate must earn a minimum of 30 additional semester hours in residence. Courses in the degree plan may not be taken Pass/Fail.
6. The candidate must complete an undergraduate application for graduation at least one semester prior to graduation.

Note: The grade point average calculation for second baccalaureate degree students will not utilize any grades from previous degrees.

Grading Policies

Credits, Honor Points, and Grade Point Average

Academic credit is expressed in semester hours. Honor points are assigned to the following letter grades and are used to determine the academic standing of the student:

Each credit hour of A.....4.00 honor points
Each credit hour of A-.....3.67 honor points
Each credit hour of B+.....3.33 honor points
Each credit hour of B.....3.00 honor points
Each credit hour of B-.....2.67 honor points
Each credit hour of C+.....2.33 honor points
Each credit hour of C.....2.00 honor points
Each credit hour of C-.....1.67 honor points
Each credit hour of D+.....1.33 honor points
Each credit hour of D.....1.00 honor point
Each credit hour of D-.....0.67 honor points
Each credit hour of F, FN, or FW.....0.00 honor points

The symbols I, W, X, UX, P, S, N, and U do not carry honor point values.

The grade point average is the total of all honor points divided by the total of all credit hours attempted and graded using honor point bearing letter grades. An audited course may not be repeated later for credit.

Dean's List (Semester and Summer Session Honors)

To be eligible for semester honors, a student must be in good standing, earn a minimum of 12 semester hours of credit in courses graded using honor point bearing letter grades, and earn a 3.60 average for the semester.

To be eligible for summer session honors, a student must be in good standing, earn a minimum of six hours of credit in courses graded using honor point bearing letter grades, and earn a 3.60 average for the summer session.

Grade Change

When an error has been made in computing or reporting a student's course grade, the reported grade may be changed. The request for a change should be reported to the Registrar within three weeks after the next term begins.

The student initiates the procedure for the change by contacting the course instructor. The instructor submits a Change of Grade Request. The Request must be approved by the School Director.

Upon receipt of a valid Change of Grade Request, the Registrar will change the student's permanent record. Notification of the change will be emailed to the student and the student's academic advisor.

Incompletes

A temporary symbol of I (Incomplete) for a course may be given only when students, due to circumstances beyond their control, have been unable to complete the course requirements within the official limits of the term. The extenuating circumstances must be documented to the faculty member's satisfaction. Students and faculty members are encouraged to use the optional Request for an Incomplete form to document expectations for successful completion of remaining course requirements. The Incomplete must be replaced with a grade by the end of the ninth week of the next semester in which the student is enrolled. If the student is not enrolled during the next

two semesters, the Incomplete must be replaced with a permanent grade no later than one calendar year of the Incomplete being assigned. If the Incomplete is not replaced by these deadlines, it will automatically become an F. For S/U graded courses, the Incomplete will become a U.

The permanent grade which replaces the Incomplete will be used to determine the student's academic status and progress toward the degree. Any change in the student's academic status resulting from the assignment of the permanent grade becomes effective at the time of the change from the Incomplete to the permanent grade. Western Illinois University's full Incomplete Grade Policy is available at *wiu.edu/policies/incomplete.php*.

Pass/Fail System

The Pass/Fail grading option is open to all undergraduate students in good academic standing. Undergraduate courses open to the Pass/Fail option carry the following limitations:

1. Only courses that will be used as general electives may be taken Pass/Fail. (No General Education, major, or minor requirements can be fulfilled with a P/F course.)
2. Students wishing to register for a course on a Pass/Fail basis must indicate this option when registering.
3. A student may change from Pass/Fail to regular grading or from regular grading to Pass/Fail up until the end of the scheduled program change period.
4. Students withdrawing from a course taken on a Pass/Fail basis follow the usual withdrawal procedures.
5. Final letter grades of D- or above are recorded as pass (P) by the Registrar, and the student receives the credit hours for the course. However, this will not affect the student's grade point average. A "P" becomes the official designation for the course and may not be changed. Students wishing to transfer to another college or university are cautioned to determine the transfer school's policies regarding the transferability of P grades. An F in a course taken for Pass/Fail is recorded as such and affects the grade point average accordingly.
6. A student may earn a maximum of 12 semester hours of credit in Pass/Fail to be applied toward general electives within the graduation requirement.
7. Instructors will not be informed as to which students have elected Pass/Fail in their courses, but will evaluate all students by the regular University grading system.

Permanent Grades

There are 14 permanent grades which indicate the quality of a student's work in a course. Eleven of these indicate successful completion of the course: A (highest), A-, B+, B, B-, C+, C, C-, D+, D, and D- (lowest). The remaining three permanent grades (F, FN, and FW) indicate failure to complete the course successfully: F indicates failure to meet the academic requirements of the course, FN indicates failure because the student never attended/accessed/participated, and FW indicates failure because the student stopped attending class or completing coursework.

Several other symbols may appear on student transcripts. The symbol P indicates that the student has passed a course taken under the Pass/Fail option. The symbols S (Satisfactory) and U (Unsatisfactory) are assigned in courses in which a student receives credit for hours earned but does not receive honor (grade) points. The symbol W is entered on the transcript when the student withdraws from a course or is withdrawn from a course as the result of action by the Council on Admission, Graduation, and Academic Standards (CAGAS) or the Student Development and

Success Center (SDSC). The symbol N (never attended) is entered on the transcript when CAGAS grants a withdrawal from a course because the student never attended and did not complete any coursework.

The symbol X denotes that a course has been audited; the symbol UX denotes an unsatisfactory audit, given when the student has not attended a sufficient number of classes. An audited course may not be taken for credit at a later date.

Transcripts

All new matriculating students pay a $15 non-refundable transcript fee which entitles the student to unlimited hard-copy transcripts. Upon written request of the student, the Office of the Registrar issues a transcript of a student's record. Transcripts are not issued for persons under administrative obligation to Western Illinois University. Western Illinois University follows the condition set forth in the General Education Provisions Act of 1974 (as amended in 1976). WIU's Transcript Policy is available at *wiu.edu/policies/transcript.php*.

Withdrawal from Courses or from the University

The symbol W on a student transcript indicates official withdrawal from a course after the published last day to delete. A student may withdraw from a course or totally withdraw from the University during the first ten weeks of a semester. After the first ten weeks, a student may not drop individual courses or withdraw from the University. For academic courses of an irregular length, the withdrawal date shall be 0.6 of the length of the course. If the student has been found guilty of academic dishonesty and the penalty of F (Fail) is assigned, a W cannot be granted.

Numbering of Courses

100 level ..... Freshmen
200 level ..... Sophomores
300 level ..... Juniors
400 level ..... Seniors
500–999 level ..... Graduate

400-level courses listed with a G suffix may be taken for graduate credit.

Students ordinarily should not enroll in a course more than one year out of their classification.

Prerequisites/Corequisites

Prerequisite: A course that must be completed prior to enrollment in a particular course. Prerequisite may also refer to acceptable class standing, prior academic standing, permission of instructor, School-determined competencies, or other School requirements.

Corequisite: A course that must be taken simultaneously with another course.

Note: *It is the responsibility of students to comply with the prerequisites/corequisites as stated in the University catalog and course syllabus for each course they plan to take. Instructors may withdraw a student who does not meet course prerequisites/corequisites at any time from course registration through the 100% refund/credit period by sending the student written notification (email or letter) with a copy to the Registrar. The written notification must include the reason why the student is being withdrawn from the course and must allow the student five working days to respond to the instructor to determine if the prerequisites/corequisites have been or will be satisfied. After the five working days, unless otherwise notified by the instructor, the Registrar will drop the course from the student's schedule and send an updated schedule confirmation. Schools may also designate specific course sections as having enforced prerequisites. During registration, these courses will be identified on STARS, and students who do not meet the requirements will be deleted prior to the first day of class.*

Proficiency Examination Regulations

Proficiency examinations may be taken by regularly enrolled students with the permission of both the School and the Council on Admission, Graduation, and Academic Standards (CAGAS) or its designated representatives. Proficiency examinations are open to all WIU students, including freshmen entering directly from high school. Forms may be secured at *wiu.edu/registrar/forms*.

Proficiency examinations may not be taken at a level more elementary than completed coursework or if the student has received course credit after completion of the course.

In general, proficiency examinations cover elementary coursework and should therefore be taken early in the student's college career, preferably in the freshman or sophomore year.

Credit earned by proficiency examination is recorded on the student's permanent record with the designation of S. Hours earned are not included in calculating the grade point average, but they are counted toward University degree requirements.

Credit earned by proficiency examination does not satisfy residency requirements and does not satisfy minimum hours earned for graduation with academic distinction.

The maximum number of credit hours which may be earned by proficiency examination is 16 semester hours, no more than nine of which may be earned in one subject matter field.

Course Credit

Proficiency examinations, where applicable, may be taken in place of General Education Curriculum courses. If successfully completed, credit is recorded on the permanent transcript. Course credit only is given. No other requirements are then imposed in lieu of the courses so completed.

Proficiency credit does not apply toward the determination of full-time status.

Repeatable Courses

Some courses are designated in the catalog description as repeatable for credit. These courses are not eligible for grade replacement.

Repeating a Course for Grade Replacement

If a course not designated in the catalog as repeatable for credit is retaken, the following policy regarding repeating a course for grade replacement will apply:

1. The repeated course must be taken from Western Illinois University.
2. A course may not be repeated more than two times (taking it a maximum of three times). Subsequent attempts to repeat a course will not result in credit or honor point replacement.
3. Credit and applicable honor points will be awarded only once, the final time, for a repeated course. Only the grade for the most recent class will be used for the grade point average calculation. Grade symbols of "I", "N", "P", "S", "U", "UX", "W", or "X" will not replace the GPA impact of a previous grade.
4. A student retaking a course under the Grade Replacement Policy may not enroll in that course on a Pass/Fail basis.
5. All prior enrollments and grades earned will remain on the permanent academic record and will carry an indicator that the course has been repeated.
6. For purposes of calculating graduation with academic distinction (Cum Laude, Magna Cum Laude, Summa Cum Laude), honor points for all attempts of a course will be averaged.
7. This policy does not supersede the policies on Incompletes or Withdrawals.
8. Once the degree is conferred and a student has graduated, no coursework toward that degree may be subsequently repeated under the provisions of this policy.
9. The student may not replace a grade of "F" under this policy if the student was assigned the grade as a result of an Academic Integrity violation. If the course is retaken, both the failing grade and the grade earned by repeating the course will appear on the transcript and will be used to calculate the student's grade point average.

Repeating a course for grade replacement will not retroactively alter any previously earned academic status (i.e., academic warning, probation, suspension, or dismissal).

Tuition and applicable fees must be paid for all courses retaken. Students should be aware that many graduate and professional schools recalculate grade point averages taking into account every grade that appears on the transcript. Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters.

Courses taken prior to Fall 1978 are not eligible to be repeated for grade replacement.

Undergraduate Enrollment in Graduate-Level Courses

Under certain circumstances, an undergraduate student may enroll in graduate-level courses for either graduate or undergraduate credit.

Regulations governing graduate course offerings for undergraduate credit are as follows:

1. The student must be of senior classification and in good academic standing.
2. The student must apply to take the course for undergraduate credit through the Office of the Registrar, prior to enrolling in the course. The form requires approval of the academic advisor and the Registrar, and must be completed by the student. The form is available at *wiu.edu/registrar/forms*.
3. The student must fulfill all prerequisites of the course.
4. No more than nine semester hours of graduate-level courses (numbered 500 and above) may be taken for undergraduate credit.
5. These courses may not be used for a future graduate program unless approved as a bridge course for integrated degree programs.

Regulations governing graduate course offerings for graduate credit are as follows:

1. The student must be of senior classification.
2. The student must apply to take the course for graduate credit through the Office of the Registrar. The form requires approval of the designated authorities in the Office of the Registrar and the School of Graduate Studies, and must be completed by the student. The application form must be filed in the School of Graduate Studies prior to enrolling in the course. The form is available at *wiu.edu/registrar/forms*.
3. The student must fulfill all prerequisites of the course.
4. The student must file a graduation application in the Office of the Registrar and an application for admission to the School of Graduate Studies prior to enrolling in graduate-level courses for graduate credit.
5. The student must have a grade point average of 3.00 or higher if a first-semester senior and must meet admission requirements to graduate school if a second-semester senior.
6. The student may enroll in a maximum of five graduate-level courses for graduate credit unless an exception is made by the designated authority in the School of Graduate Studies.

Regulations governing bridge course offerings for integrated degree programs are as follows:

1. The student must be of senior classification and have filed an application for graduation in the Office of the Registrar.
2. The student must fulfill all prerequisites for the course.
3. The student must have applied to the School of Graduate Studies and have been accepted into an integrated degree program.
4. A form must be completed by the student. This form requires approval of the undergraduate academic advisor, the graduate academic advisor, and designated authorities in the Office of the Registrar and the School of Graduate Studies. The form is available at *wiu.edu/registrar/forms*.
5. The completed form must be filed in the School of Graduate Studies prior to enrolling in the course for bridge credit.

Variable Credit Courses

Courses with a variable credit designation [e.g., "ENG 409, Independent Study (1–3)"] may be taken with a different number of credit hours. Students should consult the course instructor or the School offering the course to determine the number of semester hours for which they may register.

Academic Load

Students are required to adhere to the following guidelines with respect to academic load. The load figures are based on a regular 16-week semester. Summer session load should be prorated according to the same guidelines.

1. Academic load for students in good standing:
   a. Minimum load for full-time status ..... 12 semester hours
   b. Normal or average load ..... 15–16 semester hours
   c. Maximum load (without approvals) ..... 18 semester hours
   d. Maximum load for students with at least a 3.00 cumulative GPA (Students with a 2.50–2.99 cumulative GPA need approval of the college dean or designee) ..... 19–21 semester hours
2. Academic load for students not in good standing (including academic warning or probation):
   a. Minimum load for full-time status ..... 12 semester hours
   b. Maximum load (without approval of the Council on Admission, Graduation, and Academic Standards) ..... 16 semester hours
   c. Maximum load—summer session ..... 6 semester hours

Assessment

Assessment of student learning at WIU measures student progress toward educational goals, determines academic progress, improves teaching and learning, and evaluates institutional effectiveness. Assessment of student learning occurs throughout students' academic experiences to provide information on their academic achievement. Alumni may also be surveyed to ascertain their perceptions of the effectiveness of their curriculum in preparing them for post-graduation study and/or work experience.

The plan of assessment of student learning includes the three academic components forming the undergraduate degree requirement: the General Education Curriculum requirements, the development of baccalaureate-level skills, and the major. Measurement of program and curricular improvement is achieved through assessment of General Education and program majors. Individual student learning and progress is ascertained through assessment of baccalaureate skills and assessment in the major.

Class Attendance

Students are expected to attend all classes in which they are enrolled. Instructors should exercise good judgment in considering excuses for absences, but it is the responsibility of students to confer with the instructor and to agree to any reasonable arrangements to compensate for their non-attendance. Western Illinois University's full Grades and Class Attendance Policy is available at *wiu.edu/policies/grdclatt.php*.

Classification of Students

Students are classified by the number of semester hours earned as follows:

Freshman ..... Fewer than 30
Sophomore 30–59
Junior 60–89
Senior ..... 90 to completion of degree requirements

Early Warning Notification

Western Illinois University provides an early warning notification procedure to alert undergraduate students to poor academic performance in time for them to

take corrective measures. Instructors are encouraged to identify students who are performing below C level work. These deficiencies are reported to the students so they can seek special help from instructors, academic advisors, or the University Counseling Center.

Eligibility to Represent the University

1. Any student who is permitted to register for classes at Western Illinois University is eligible to participate in activities officially sanctioned by the University, subject to compliance with all eligibility rules established by the duly constituted authorities responsible for specific activities.
2. Students who have been academically dismissed from the University and who appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for reentry may be declared ineligible to participate in some or all University-sanctioned activities until they achieve good academic standing. In such cases, the temporary ineligibility will become a part of the CAGAS stipulation for reentry. Any student who is unwilling to accept the stipulation will not be readmitted. Any student who violates the stipulation after reentry will be subject to immediate academic suspension.

Warning: Students who are not in good academic standing should carefully weigh the amount of time and energy required for a given activity and should consider whether continued participation in such an activity will jeopardize their academic performance at the University.

The First Four (First Year Experience)

Built around the needs of first-year students in their first four days, weeks, and months, The First Four program is WIU's University-wide First-Year Experience. The First Four creates a positive transition to college and helps students become active and engaged learners in and outside of the classroom. Beginning with students' arrival and continuing through the first year, The First Four connects academic experiences with opportunities for support, engagement, and connection. Through early and ongoing support, students build a strong foundation for academic success and progress toward graduation.

Full-Time Student

A full-time student is one who is enrolled for a minimum of 12 semester hours of credit during any regular semester (fall or spring) or for six semester hours of credit during the summer term.

Good Academic Standing

New freshmen and transfer students will be considered in good academic standing if regular admission standards are met. Students will be considered in good academic standing if they maintain a minimum cumulative grade point average of 2.00.

Scholarship Requirements

All students are expected to meet or exceed the grade point average of 2.00 to be in good academic standing.

Once transfer students have been admitted, only the semester hours earned at Western Illinois University are then used in calculating the grade point average. An exception to this policy is graduation with Academic Distinction. Please see page 45 for Academic Distinction requirements.

Integrated Baccalaureate and Master's Degree Programs

An integrated baccalaureate and master's degree program provides the opportunity for outstanding undergraduates to earn both degrees in five years. Typically, a baccalaureate degree requires four years to complete and a master's degree requires an additional two years. However, the integrated degree programs are intended to be accomplished over a period of five years. Some advanced coursework (referred to as bridge courses, which carry a "B" designator following the course number) completed while the student is at the baccalaureate level will also be used to satisfy requirements for the master's degree. In addition to allowing students to earn both degrees a year early, the integrated program may include additional opportunities to participate in a variety of experiential educational activities, such as a master's project or thesis.

Admission to Integrated Degree Programs: Undergraduate students may apply for admission to an integrated program after completing 60 semester hours of undergraduate coursework, of which a minimum of 30 semester hours must be completed at WIU. Integrated degree applicants must meet the cumulative grade point average and the grade point average for their major as specified by their integrated degree program. Admission must be granted by the School of Graduate Studies before a student will be allowed to enroll in graduate-level courses. Students may begin taking bridge courses after the completion of 90 semester hours, or when beginning their final two semesters (fall and spring) as demonstrated by a written degree completion plan. Students must have a minimum WIU cumulative grade point average of 3.25 and a minimum of 3.25 grade point average in the major or a minimum WIU cumulative grade point average of 3.0 and a minimum 3.3 grade point average in the last 30 credit hours taken at WIU to be considered for admission.

Academic Requirements: The work required for the integrated baccalaureate and master's degree program must be completed within six consecutive calendar years from the time of first enrollment in courses which are part of the integrated program. Upon completion of all requirements of the baccalaureate degree, such degree will be awarded. Subsequently, after completing the requirements of the master's degree (including the bridge courses), such degree will be awarded. All grades of C or lower earned, including those taken for bridge ("B") credit, count toward the six-hour C rule. Students in this program are not eligible for assistantship positions until the baccalaureate degree has been conferred. Students in an integrated program who do not complete the required bridge ("B") courses prior to completion of their baccalaureate degree will be removed from the integrated program and must meet regular admission standards.

Penalties for Grade Point Average Deficiencies

All students who are on academic warning or probation must confer with their academic advisor during the term of warning or probation to facilitate progress toward achieving good standing.

A student who is in good academic standing who earns less than a 1.00 semester GPA resulting in less than a 2.00 cumulative GPA is automatically placed on probation.

Academic Warning

If, at the end of a grading period (fall or spring semester, or summer term), a student's cumulative grade point average in courses taken at the University falls below a 2.00, but semester grade point average is 1.00 or higher, that student will be placed on academic warning.

Students who are placed on academic warning status may enroll for no more than 16 hours in a regular semester and no more than 6 hours in a summer term. Students may not enroll exclusively in S/U graded courses while on academic warning status.

Academic warning students will be suspended if their semester grade point average is below 1.00.

Academic Probation

If, at the end of a grading period (fall or spring semester, or summer term) on academic warning, a student's cumulative grade point average in courses taken at the University falls below a 2.00, but semester grade point average is 1.00 or higher, that student will be placed on academic probation.

Students who are placed on a probationary status may enroll for no more than 16 hours in a regular semester and no more than 6 hours in a summer term. Students may not enroll exclusively in S/U graded courses while on probationary status.

Students on academic probation must achieve at least the following grade point average each grading period until good academic standing is reached or they will be academically suspended:

a. Freshmen and sophomores MUST earn a minimum term GPA of 2.10.
b. Juniors and seniors MUST earn a minimum term GPA of 2.25.

Academic Suspension

A student will be academically suspended if at the end of any grading period the student on academic probation fails to make satisfactory progress toward good academic standing as defined under Academic Probation above. In addition, any student who has a GPA of 0.00 (as a result of F, FN, FW, U, N, and/or UX) at the end of their first full-time semester of coursework will be academically suspended.

Reinstatement Following Academic Suspension

Students suspended for poor scholarship must remain out of the University for at least one regular semester. After the inactive semester, students suspended for the first time will automatically be eligible for reinstatement and may re-enter the University at the beginning of a fall or spring semester or a summer term, provided they indicate their intentions to do so prior to established deadlines by filing a reentry form. If they have attended another school, an official transcript from that school must be on file in the Office of the Registrar at the time of registration.

Reinstated students reenter the University with the same cumulative GPA they had upon suspension and are placed on academic probation. This probationary status will continue as long as the student satisfies the conditions specified in the section on Academic Probation. Students failing to make satisfactory progress are dismissed and may not be reinstated a second time except by approval of the Council on Admission, Graduation, and Academic Standards (CAGAS).

New Start Policy

This policy is designed for former WIU students with a severe cumulative honor point deficiency who have not attended WIU for a minimum of three years.

1. Former WIU students who have not attended WIU for at least three years may petition the Council on Admission, Graduation, and Academic Standards (CAGAS) to have prior grades excluded from subsequent grade point average calculations. Such appeals must be received and approved prior to the student's reentry to WIU.
2. All hours earned will count toward total hours for graduation.
3. All students must have at least a C average in all WIU courses counted toward the major and the minor for graduation.

The New Start provision may be exercised only once, and all grades that a student has received at WIU will be used to determine class rank and honors. Any student under this policy must complete a minimum of 30 semester hours after returning to WIU to qualify for graduation. All courses taken and grades earned will appear on the transcript.

Satisfactory Academic Progress Policy for Financial Aid

Students must meet all of the following satisfactory academic progress criteria for federal and state financial aid eligibility:

1. **Minimum Cumulative Pace (Credit Hour Completion Rate):** Students must earn credit for at least 67% of the total cumulative hours attempted, including enrolled hours during which Title IV aid was not received. This includes transfer hours, incomplete grades, and withdrawal hours for all semesters.
2. **Minimum Cumulative Grade Point Average (GPA):** Students must have a cumulative 2.0 GPA at WIU (grades for transfer hours are not included).
3. **Maximum Time Frame:** Students must graduate before exceeding 150% of hours required for degree. This includes all hours attempted: transfer hours, incomplete grades, and withdrawn hours for all terms, and includes terms in which Title IV aid was not received.

Student Responsibility

Students are responsible for knowing degree requirements and enrolling in courses that will enable them to complete their degree programs. It is also their responsibility to know the University regulations for the standard of work required to continue in good academic standing. Degree requirements are presented in this publication. Additional details about requirements, procedures, and policies are available from the academic schools and advisors.

Writing Instruction in the Disciplines (WID)

After students have completed their composition sequence in the School of Humanities, they must complete the next academic portion of WIU's writing program, a Writing Instruction in the Disciplines (WID) requirement for their major. WID courses are designed to help students learn both the forms and values for the writing needed to be effective professionals in their fields.

All WID courses provide a variety of opportunities for writing development accompanied by instructional support, build in early opportunities for revision, require disciplinary writing throughout the course for a significant part of the course grade, and maintain a student-faculty ratio no greater than 25:1. For in-depth WID criteria and links to resources, please see *wiu.edu/WID*. Individual School WID requirements are specified in the curriculum for each academic program.

Academic Appeal

Council on Admission, Graduation, and Academic Standards (CAGAS)

The Council on Admission, Graduation, and Academic Standards (CAGAS) is responsible for recommending and evaluating policies concerning admission, retention, graduation, and academic standards and for establishing some of the procedures to carry out such policies. It also serves as an appellate body regarding such policies and procedures. CAGAS (eight faculty and one student member) meets weekly during fall and spring semesters, as well as several times during the summer. More information is available at *wiu.edu/registrar/cagas*.

Academic Dishonesty Appeal

Western Illinois University is dedicated to the discovery and communication of knowledge. The University can best function and accomplish its objectives in an atmosphere where high ethical standards prevail. For this reason, and to ensure that the academic work of all students will be fairly evaluated, the University strongly condemns academic dishonesty. WIU's full policy on Student Academic Integrity is available at *wiu.edu/policies/acintegrity.php*.

Grade Appeal

It is the responsibility of any student wishing to pursue a grade appeal to meet with the faculty member who assigned the grade by the end of the second week of the regular semester (fall or spring) following the term in which the student received the grade in question. In the event the student does not receive a response from the faculty member by the beginning of the third week of the regular semester (fall or spring), the student should contact the School Director in order to set up a meeting with the faculty member (or to meet with the School Director if the faculty member is on medical leave, on sabbatical leave, retired, or no longer employed by WIU and is unable to participate in the meeting). WIU's full Policy on Grade Appeals is available at *wiu.edu/policies/gradeapp.php*.

Oral English Proficiency Appeal

Students who have complaints concerning the oral English proficiency of faculty providing classroom instruction should contact the School Director or the immediate supervisor of the appropriate faculty member. The complaint should be as specific as possible and should include a written summary.

All complaints shall be investigated by the School Director including, but not limited to, classroom visitation. If the School Director finds the faculty member's oral English proficiency is satisfactory, the School Director will so notify the student.

Students may appeal the School Director's satisfactory evaluation of oral English proficiency to the appropriate Dean who shall investigate the complaint. If the Dean finds the faculty member's oral English proficiency is satisfactory, the Dean will so notify the student. In the event of such a finding, the decision of the Dean shall be final.

If the School Director or Dean finds the faculty member's oral English proficiency is unsatisfactory, a recommendation shall be submitted to the Academic Vice President for consideration. The Academic Vice President will notify the student and the faculty member of this decision.

At all levels of this procedure, the student's identity will remain confidential. WIU's full policy on Oral English Proficiency Assessment is available at *wiu.edu/policies/oralexam.php*.

Right of Academic Appeal

Students have the right to appeal the implementation of any University regulation which relates to admission, retention, graduation, or academic standards by submitting a formal written appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS). Such appeals must be based upon the existence of unusual or extenuating circumstances which have prevented the student from achieving the normal University standard, and evidence of these unusual or extenuating circumstances must be presented with the appeal. Such appeals must be submitted to the CAGAS office, Sherman Hall 110, or by email to *CAGAS@wiu.edu*.

Withdrawal from an Individual Course Appeal

Students may appeal to the Council on Admission, Graduation, and Academic Standards (CAGAS) for a late withdrawal from an individual course, provided the student can document extenuating circumstances. All appeals should include sufficient documentation of any extenuating circumstances which explain why a student was unable to follow the proper procedure for withdrawing from the course prior to the end of the tenth week of the term. The student must also have the instructor of the course send a statement verifying grades on quizzes, tests, assignments, and last date of attendance. Appeals and support documentation must be submitted to the CAGAS office, Sherman Hall 110, or by email to *CAGAS@wiu.edu*.

Withdrawal from the University Appeal

Students may appeal for a late withdrawal from the University and receive a W for each course, provided the student can document extenuating circumstances. All requests should include sufficient documentation of any extenuating circumstances which explain why a student was unable to follow the proper procedure for withdrawing from the University prior to the end of the tenth week of the term. The student's request must be submitted in writing with appropriate, supporting documentation to the Student Development and Success Center, Memorial Hall 125, or by email to *sdsc@wiu.edu*.

If the Student Development and Success Center denies the request, the student may appeal the decision to the Council on Admission, Graduation, and Academic Standards (CAGAS). Students are advised to attend classes, if possible, until a final decision is reached.

Multicultural Perspectives Requirement

Candidates for a baccalaureate degree at Western Illinois University are required to complete the Multicultural Perspectives requirement established for their major program of study. Students will successfully complete at least one of the three options listed below, as determined by their academic school. Students should refer to the specific Multicultural Perspectives requirement for their degree program in the Academic Degree Programs section of this catalog (p. 117).

Goals of Multicultural Perspectives Courses

1. To understand the world as a system of interconnected countries and cultures
2. To understand that our actions impact other regions of the world
3. To develop a critical appreciation of global diversity and points of view

Objectives of Multicultural Perspectives Courses

Courses with the Multicultural Perspectives designation will enable students to do at least three of the following:

1. Discover how interrelated factors (e.g., geographical, historical, artistic, linguistic, religious, political, economic, and/or technological) have shaped the development of cultures around the world
2. Compare and contrast various countries/cultures/societies.
3. Recognize the interdependence of countries/cultures/societies.
4. Understand one's own self and culture through exploration of ideas and practices from other countries/cultures/societies.
5. Gain new proficiencies and skills to navigate unfamiliar cultural environments and perspectives.
6. Understand and appreciate diversity within relationships, organizations, and societies.

Courses Designated as Multicultural

Accounting
ACCT 343—Intermediate Accounting III
ACCT 441—Advanced Accounting I

African American Studies
AAS 100—Introduction to African American Studies
AAS 145—Famous People of African Descent
AAS 281—Literature of the Black World
AAS 282—African American Theatre
AAS 283—African American Folklore
AAS/HIST 314—African American History
AAS/ENG 345—Survey of African American Literature
AAS/HIST 349—Africa since 1800
AAS/GEOG 466—Geography of Africa

Anthropology
ANTH 110—Introduction to Cultural Anthropology
ANTH/REL 225—Myth and Ritual
ANTH 249—Native North American Cultures
ANTH 305—Applied Anthropological Methods
ANTH/REL 324—Religion, Magic, and Shamanism
ANTH/PSY 353—Cultural Psychology

ANTH/WS 395—Gender, Race, and the Environment
ANTH 415—Environmental Anthropology
ANTH/BOT 463—Ethnobotany

Art History
ARTH 284—History of Non-Western Art
ARTH 393—Gender and Embodiment in the Visual Arts
ARTH 496—History of Contemporary Art

Botany
BOT/ANTH 463—Ethnobotany

Broadcasting and Journalism
BC&J 351—Comparative Broadcasting Systems
BC&J 352—Mass Media and Minorities
BC&J 353—International Communication and the Foreign Press
BC&J 456—International Public Relations

Business and Technology
BAT 300—Global Study

Chemistry
CHEM 342—Fundamentals of Environmental Chemistry

Communication
COMM 381—Intercultural Communication

Computer Science
CS 320—Ethical, Social and Legal Issues in the Digital World

Construction Management
CSTM 440—Green and Sustainable Construction

Economics
ECON 350—Economics of Poverty and Discrimination
ECON 351—Global Economic Poverty Issues
ECON 479—Microfinance in Action

Educational Studies
EDS 202—Multicultural and Social Foundations of Education
EDS 428—English Language Learners and Bilingualism: Theory, Policy, and Practice

English
ENG/WS 301—Women and Literature
ENG/AAS 345—Survey of African American Literature
ENG 348—Ethnic Literatures of the United States
ENG 350—Postcolonial Literature
ENG 357—Nation and Literature
ENG 358—Studies in Non-Western Literature
ENG 392—National Cinemas
ENG/REL 492—Religion, Literature, and Film

Foreign Language
F L 101—Introductory Seminar in World Languages and Cultures
F L 350—Introduction to Contemporary Critical Theory

Geography
GEOG 100—Introduction to Human Geography
GEOG 110—World Regional Geography
GEOG/AAS 466—World Regions

German
GER/HIST 337—The Holocaust

Multicultural Perspectives Requirement

Health
HLTH 325—Multicultural Population Health

History
HIST 115—World History to 1500
HIST 116—World History since 1500
HIST 211—Technology and Science in World History
HIST 241—History of Latin America
HIST 245—History of Asia
HIST 302—American Indian History, Pre-Contact to the Recent Past
HIST 304—United States Military History
HIST 307—U.S. Foreign Relations Since 1898
HIST 312—Technology, Culture, and Society
HIST/AAS 314—African American History
HIST/WS 317—Women in American History
HIST/WS 318—Women and Gender in European History
HIST/GER 337—The Holocaust
HIST/WS 342—Women and Gender in Asian History
HIST 346—Japan
HIST 347—Modern East Asia
HIST/AAS 349—Africa since 1800
HIST 380—World War I
HIST 421—Seminar in Global Environmental History

Human Resource Management
HRM 444—International Human Resource Management

Information Systems
IS 325—Global Social Networks

International Agriculture
INAG 310—International Agriculture in Developing Countries
INAG 361—International Agriculture Travel Study in the Western Hemisphere
INAG 362—International Agriculture Travel Study in the Eastern Hemisphere

Liberal Arts and Sciences
LAS 195—Introduction to Liberal Arts and Sciences
LAS 210—Engaging Multiculturalism

Management
MGT 485—International Management

Marketing
MKTG 317—International Business
MKTG 417—International Marketing

Music
MUS 194—Jazz Survey
MUS 195—American Popular Music
MUS 196—Music in the Rock Era
MUS 198—K-Pop, J-Pop, and C-Pop
MUS 390—European Art Music I
MUS 391—European Art Music II
MUS 394—Music in World Cultures

Nursing
NURS 316—Transcultural Nursing

Nutrition
NUTR 300—Food and Culture

Philosophy
PHIL/WS 220—Feminism and Ethics

Physics
PHYS 150—Energy and the Environment

Political Science
POLS 228—Fundamentals of International Relations
POLS 267—Introduction to Comparative Government and Politics
POLS 322—European Politics
POLS 329—Latin American Politics
POLS 331—United States Foreign Policy
POLS 334—Politics of the Global Economy
POLS/WS 335—Women and Politics
POLS 338—The United Nations and International Organization
POLS 353—Terrorism and Political Conflict
POLS 400—Comparative Public Policy
POLS 440—National Security and Arms Control
POLS 446—Conflict Resolution and International Peacekeeping
POLS 465—Genocide in Our Time

Psychology
PSY/ANTH 353—Cultural Psychology
PSY/WS 357—Women and Work

Queer Studies
QS 100—Introduction to Queer Studies

Recreation, Sport, and Tourism Administration
RSTA 293—Inclusive Recreation for Individuals with Disabilities
RSTA 462—International Tourism

Religious Studies
REL 110—Introduction to Eastern Religions
REL 111—Introduction to Western Religions
REL/ANTH 225—Myth and Ritual
REL/WS 303—Women in Religion
REL/ANTH 324—Religion, Magic, and Shamanism
REL 350—Hinduism
REL 355—Buddhism
REL 365—Islam
REL 456—Religion and War
REL/ENG 492—Religion, Literature, and Film

Social Studies Education
SSED 354—Methods for Teaching Social Studies PreK–2nd Grade
SSED 495—Teaching with a Global Perspective

Social Work
SW 380—Social Justice and Diversity

Sociology
SOC/WS 285—Women: A Global Perspective
SOC 300—Minority Peoples
SOC/WS 360—Gender and Society
SOC 440—Global Sociology

Spanish
SPAN 320—Spanish for Heritage Speakers

Speech Pathology and Audiology
SPA 225—Deaf Culture

Supply Chain Management
SCM 411—Global Supply Chain Management

Theatre
THEA 201—Multiculturalism in Theatre
THEA 390—World Theatre History I

Women's Studies
WS 190—Introduction to Women's Studies
WS/PHIL 220—Feminism and Ethics
WS/SOC 285—Women: A Global Perspective
WS/ENG 301—Women and Literature
WS/REL 303—Women in Religion
WS/HIST 317—Women in American History
WS/HIST 318—Women and Gender in European History
WS/POLS 335—Women and Politics
WS/HIST 342—Women and Gender in Asian History
WS/PSY 357—Women and Work
WS/SOC 360—Gender and Society
WS 370—Women in Popular Culture
WS/ANTH 395—Gender, Race, and the Environment

Competency in baccalaureate-level Mathematics enables students to successfully engage in the mathematical thinking encountered in undergraduate studies and in daily living. Central to this competency is the ability to solve problems, to use mathematical modeling, and to evaluate mathematical calculations and reasoning. Students are expected to express and interpret mathematical information in written and oral forms and to use technology (calculators, computers, etc.) appropriately. Mathematics competency courses will teach students to:

- Use basic Mathematics in problem solving and modeling strategies as needed for college coursework and for living in today's and tomorrow's world;
- Clearly express mathematical ideas and calculations in writing; and
- Make valid inferences from mathematical formulas, graphs, tables, and data.

All students enrolled at Western Illinois University must demonstrate their ability to use general baccalaureate-level skills in Mathematics by one of the following means:

- Receive University credit for MATH 100 (Core Competency in Mathematics) or MATH 110 (Introductory College Algebra);
- Receive a satisfactory score on an assessment examination instrument designated by the School of Computing, Data, and Mathematical Sciences; or
- Receive University credit for a Mathematics course which lists MATH 100 or MATH 110 as a prerequisite.

Entering students' Mathematics skills are assessed upon initial registration. All freshmen who place into MATH 100 or MATH 110 are required to pass (with a grade of C or better) MATH 100 or MATH 110 before the start of the second semester of their second year. Transfer students who are placed into MATH 100 or MATH 110 are required to pass (with a grade of C or better) either course during their first year at WIU.

University General Education Curriculum

Philosophy and Goals of General Education

General Education is the component of the undergraduate curriculum devoted to those areas of knowledge, methods of inquiry, and ideas that the University and scholarly community believe are common to well-educated persons. General Education provides a foundation for future learning.

Generally well-educated students will demonstrate:

1. broad knowledge and understanding of the natural sciences, social sciences, and humanities;
2. an ability to analyze, think critically, and form reasoned conclusions;
3. competence in communicating their views and ideas clearly and cogently;
4. an understanding of the methods by which people pursue knowledge;
5. an understanding of the differences and relative power among peoples, both in the United States and across the globe; and
6. knowledge of the principle of wellness for living a healthy and fit life, both physically and mentally.

I. Communication Skills

Communication is the art of expressing and exchanging meaning among people. At the University, meaning or knowledge is developed as teachers and students share insights, exchange ideas, and debate positions. Reading, speaking, research, and writing all play important roles in this construction and extension of knowledge.

College Writing

The writing course sequence enables students to use language actively in diverse ways and settings to gain and share knowledge about their experiences and concepts. They also reflect on that language use by examining their processes of writing and reading in order to understand both the texts they create and the texts they encounter.

Courses in the writing sequence will teach students to:

A. make writing choices within the rhetorical contexts of academic writing, with attention to the particular audiences, subjects, and purposes of writing;
B. understand and incorporate into their own writing each stage of the writing process: exploration, invention, drafting, revising, editing;
C. improve their ability to analyze on multiple levels the texts that they read, and to recognize and synthesize connections among texts;
D. discover a variety of argumentative strategies in academic writing and incorporate those strategies in the development of several essays;
E. explore in depth at least one significant subject of academic interest by extensive reading, peer discussion, and the use and citation of research materials; and
F. demonstrate control over the conventions of edited American English.

Public Speaking

The oral communication course develops students' awareness of the communication process; focuses on the skills of invention, organization, and expression; promotes understanding of, and adaptation to, a variety of communication contexts; and emphasizes critical skills in listening, reading, thinking, and speaking.

The communication course will teach students to:

A. create effective speeches through careful selection of topics and analysis of audience needs, situational factors, and speaker purposes;

B. gather, evaluate, organize, and outline supportive materials into persuasive and informative messages that reflect an understanding of the appropriate use of evidence, reasoning, and language;

C. deliver effective speeches that demonstrate proficiency in articulation, nonverbal behaviors, and visual aids that reinforce the message and promote clarity and interest; and

D. become more discriminating consumers of messages through critical listening.

II. Natural Sciences and Mathematics

Studying the Natural Sciences and Mathematics enables students to understand the physical and natural world and the scientific and mathematical concepts, theories, and principles that explain the world. That is, students broaden and deepen their understanding of the diversity and interrelatedness of human knowledge in the sciences and mathematics and are better able to explain the similarities and differences that exist among the sciences. By studying the methods of inquiry practiced by scientists in the search for answers to yesterday's and today's issues and problems, they experience both the power and limitations of this knowledge while growing in their appreciation of the scientific perspective and its impact on their lives and society.

General Education courses in the Natural Sciences and Mathematics will allow students to:

A. demonstrate understanding of basic terms, concepts, principles, processes, and systems in the Natural Sciences and Mathematics;

B. draw conclusions and/or identify relationships by synthesizing from relevant information;

C. demonstrate the ability to apply appropriate investigative methodologies in laboratory courses; and

D. demonstrate the ability to use and understand scientific and mathematical terminology in writing assignments and/or classroom discussion.

III. Social Sciences

In their Social Science coursework, students explore aspects of their own cultures and beliefs and the cultures and beliefs of others within a context of empirical research findings and theoretical speculation.

They examine anthropological, economic, geographical, political, psychological, and/or sociological aspects of individuals and groups in various cultures and the social problems that these individuals and groups attempt to overcome.

They apply a variety of methodologies (e.g., laboratory experiments, case studies, naturalistic observations) to studies of individual and group behavior.

General Education courses in the Social Sciences will allow students to:

A. gain insight into the diversity of human motivations and institutional forces that influence social behavior;

B. recognize multiple methods and modes of inquiry used in the Social Sciences and their appropriate application;

C. develop analytical and critical thinking skills as applied to the study of the Social Sciences; and

D. communicate ideas and explain concepts and analyses using the language of the Social Sciences.

IV. Humanities and Fine Arts

In studying the Humanities and Fine Arts, students learn to explore issues fundamental to human identity, as these are expressed in the artistic, cultural, and intellectual traditions of the world's civilizations. Courses in the Humanities and Fine Arts reveal ways to give meaning to human experience through the study of fine arts, philosophical thought, literature and film, interpretations of history, rituals and belief systems of religion, communication, and foreign languages. After studying the Humanities and Fine Arts, students will have the tools and knowledge to respond more knowledgeably and actively to those humanistic and artistic works and traditions created by people of various societies and times.

General Education courses in the Humanities and Fine Arts will allow students to:

A. learn to perceive accurately, describe carefully, and analyze systematically various humanistic expressions and works such as literary, philosophical, and historical texts; artistic forms and musical works; and ritual, drama, and other forms of symbolic action and speech;

B. learn the significant concepts and issues that continue to structure and guide study in the Humanities disciplines;

C. learn to identify, analyze, and interpret the historical, social, or cultural contexts for these humanistic works and expressions;

D. examine and come to understand human values as they are represented, reasoned about, and justified through various humanistic works and traditions; and

E. develop reading, critical reasoning, and communication skills important for understanding and effectively communicating ideas and perspectives regarding humanistic works and traditions.

University General Education Requirements

Candidates for a baccalaureate degree at Western Illinois University are required to complete the General Education Curriculum approved by the University faculty. General Education courses should ordinarily be taken during the freshman and sophomore years, and the entire 37 semester hours should be completed no later than the last semester of the junior year. Individual Colleges and Schools may require additional courses, and students should refer to the section of the catalog for the College in which they are enrolled for requirements beyond the University General Education Curriculum.

The following restrictions apply:

(1) No courses numbered 275, 298, 450, 475, and 498 are acceptable for credit in the General Education Curriculum;

(2) Students may not use any one course to satisfy two General Education requirements;

(3) Students may not count more than two courses from the discipline in which they major toward satisfaction of the General Education requirements;

(4) No courses under the Pass/Fail option may apply to the General Education requirements.

General Education Categories:

I. Communication Skills ..... 9 s.h.

A. ENG 180—College Writing I (3)
B. ENG 280—College Writing II (3)
C. COMM 241—Introduction to Public Speaking (3)

College Writing

All students enrolled in the University must demonstrate their ability to write and speak clearly, accurately, and effectively. Entering students normally self-assess their writing skills upon initial registration and select a first-semester writing course (either ENG 100 or ENG 180) with guidance from their advisor. Further, all General Education courses contribute to students' writing competency by including written assignments in the course requirements.

ENG 100 is a credit bearing course, and will support the writing development of new students who feel less experienced or confident in their writing skills. Students who pass ENG 100 with a grade of C or better will find themselves better prepared to write successfully in ENG 180 and other, more advanced writing intensive classes. Students who are unsuccessful in ENG 100 are encouraged to retake the course.

ENG 180 has no prerequisites. Students must take ENG 180 either semester of their freshman year. Students who fail to receive a grade of C or better must repeat the course before enrolling in ENG 280, the second course in the first-year writing sequence. ENG 180 fulfills the first half of the General Education/Communication Skills/College Writing requirement.

ENG 280 is to be taken before 60 semester hours are earned. ENG 180 is a prerequisite. Students who fail to receive a grade of C or better in 280 must repeat the course. ENG 280 fulfills the second half of the General Education/ Communication Skills/College Writing requirement.

Students may also receive credit for all or part of the General Education/ Communication Skills writing requirement by: (1) entering with Advanced Placement credit for the English Language and Composition Exam with a score of 3, 4, or 5, (2) passing the appropriate proficiency examination, or (3) completing a comparable course or courses at or sponsored by another university with a grade of C or better.

Public Speaking

Students may also receive credit for the oral communication requirement by (1) completing the accelerated section 50 of COMM 241 with a grade of B or above, (2) completing the Honors section 25 of COMM 241, or (3) satisfactorily completing a comparable course at another college/university.

II. Natural Sciences and Mathematics ..... 10 s.h.

Students must complete 10 s.h. from the courses listed below. At least one laboratory course must be included. Students may take no more than two courses from any one grouping below.

Biological Sciences
BIOL 100—Biological Concepts (4)
BOT 200—Introduction to Plant Biology (4)
ZOOL 200—Introduction to Animal Biology (4)

Chemistry
CHEM 101—Principles of Chemistry I (4)
CHEM 114—Chemistry of Health (3)
CHEM 150—Contemporary Chemistry (4)

Earth, Atmospheric, and Geographic Information Sciences
GEOG 121—Planet Earth: Surface Processes and Interactions (4)
GEOL 110—Our Changing Earth (4)
GEOL 112—History of the Earth (4)
GEOL 113—Energy and Earth Resources (3)
METR 120—Introduction to Weather and Climate (4)

Mathematics and Philosophy
MATH 101—Concepts of Mathematics (3)
MATH 102—Creative Perspectives in Mathematics (3)
MATH 123—Modeling with Mathematical Functions (3)
MATH 133—Calculus with Analytic Geometry I (4)
MATH 134—Calculus with Analytic Geometry II (4)
MATH 206—Mathematics for Elementary Teaching II (3)
MATH 255—Discrete Mathematical Structures for Computer Science (3)
STAT 171—General Elementary Statistics (3)

Physics
PHYS 100—Physics for Society (4)
PHYS 101—Introduction to Astronomy (3)
PHYS 114—Applied Physics (4)
PHYS 115—Applied Physics (4)
PHYS 211—University Physics I (4)

III. Social Sciences..... 9 s.h.

Students must take at least three courses in the Social Sciences. Students may take no more than two courses from any one grouping below.

Accounting and Business Administration
ECON 100—Introduction to Economics (3)
ECON 231—Principles of Macroeconomics (3)
ECON 232—Principles of Microeconomics (3)

Earth, Atmospheric, and Geographic Information Sciences
GEOG 100—Introduction to Human Geography (3)
GEOG 110—World Regional Geography (3)

Political Science
POLS 101—Introduction to Political Science (3)
POLS 122—American Government and Politics (3)
POLS 228—Fundamentals of International Relations (3)
POLS 267—Introduction to Comparative Government and Politics (3)

Psychology
PSY 100—Introductory Psychology (3)
PSY 221—Psychology of Child Development (3)
PSY 250—Human Social Behavior (3)

Race, Religion, Gender, and Multidisciplinary Studies
AAS 100—Introduction to African American Studies (3)
WS 190—Introduction to Women's Studies (3)

Recreation, Sport, and Tourism Administration
RSTA 110—Concepts of Leisure (3)

Sociology and Anthropology
ANTH 110—Introduction to Cultural Anthropology (3)
ANTH 111—Introduction to Physical Anthropology and Archaeology (3)
SOC 100—Introduction to Sociology (3)
SOC 200—Contemporary Social Problems (3)

IV. Humanities and Fine Arts ..... 9 s.h.

Students must take at least three courses in the Humanities and Fine Arts. One course must come from Area 1: Humanities, and one course must come from Area 2: Fine Arts. Students are then free to choose either a Humanities or Fine Arts course to fulfill the required nine hours in Humanities and Fine Arts. Students may take no more than two courses from any one grouping below.

AREA 1: HUMANITIES

English
ENG 195—Introduction to Literature (3)
ENG 200—Introduction to Poetry (3)
ENG 201—Introduction to Fiction (3)
ENG 202—Introduction to Drama (3)
ENG 205—Introduction to Shakespeare (3)

Foreign Languages and Literatures
FR 224—Intermediate French II (3)
GER 224—Intermediate German II (3)
SPAN 224—Intermediate Spanish II (3)

History
HIST 105—American History to 1877 (3)
HIST 106—American History since 1877 (3)
HIST 115—World History to 1500 (3)
HIST 116—World History since 1500 (3)

Philosophy
PHIL 100—Introduction to Philosophy (3)
PHIL 120—Contemporary Moral Problems (3)
PHIL 140—Logic and Reasoning (3)

Religious Studies
REL 100—World Religions (3)
REL 101—Religion and Popular Culture (3)
REL 107—The Bible (3)
REL 111—Introduction to Western Religions (3)
REL/ANTH 225—Myth and Ritual (3)

Sociology and Anthropology
ANTH/REL 225—Myth and Ritual (3)

AREA 2: FINE ARTS

Art History
ARTH 180—An Introduction to Art (3)
ARTH 282—History of World Art: to 1400 (3)
ARTH 283—History of World Art: 1400–1900 (3)

Communication and Media
BC&J/ENG 290—Introduction to Film (3)

English
ENG/BC&J 290—Introduction to Film (3)

Music
MUS 190—What to Listen for in Music (3)
MUS 195—American Popular Music (3)
MUS 196—Music in the Rock Era (3)
MUS 197—American Country Music (3)
MUS 198—K-Pop, J-Pop, and C-Pop (3)

Theatre
THEA 110—Introduction to the Theatre (3)

Western Illinois University has developed a program designed to help students complete their undergraduate degree in four years or less. The University is committed to helping students graduate in a timely fashion and has developed GradTrac to enable them to achieve this goal. GradTrac utilizes WIU's automated degree audit so students and advisors keep current on degree progress. GradTrac is not a graduation requirement or an academic regulation. Regularly admitted freshmen may choose to participate in the GradTrac program. Participation in GradTrac requires significant initiative during a student's years at WIU.

Specifically, students must:

- Enter the University as a regularly admitted student with appropriate academic preparation to begin GradTrac;
- Enroll in GradTrac and declare an interest in a major that qualifies for the program;
- Take responsibility for meeting the deadlines and requirements of GradTrac and regularly monitor their progress toward graduation. Such monitoring includes timely meetings with an academic advisor at least once each semester prior to each registration;
- Take responsibility for making and keeping required appointments and advisement sessions;
- Consult with an advisor before dropping or adding a class;
- Accept any available class section that fits their schedule and register for classes at their assigned registration time. The following encumbrances can prevent a student from registering on time: financial, immunization, administrative, housing, judicial, and athletic. Be sure these encumbrances are taken care of prior to advance registration;
- Meet all the academic requirements of their major, minor (when applicable), College, and the University;
- Accept responsibility for timely annual application for all necessary financial assistance; and
- Complete the applicable credits for their degree program each year as set out in their GradTrac degree plan (approximately 30 semester hours each year).

If a student *changes majors* and can still complete all remaining requirements within the time specified by the GradTrac agreement, the agreement remains valid. Appropriate signatures must be secured from the advisor and Director of the School offering the new major.

Students may enroll in an *additional major or minor* or in programs leading to additional licensing and certification, if they can complete all of these requirements within the time specified by the GradTrac agreement. Students must consult with their academic advisor in a timely manner in order to accomplish these changes or additions.

Transfer and Summer credits may count toward GradTrac requirements, but the academic terms in which these credits are earned will not be counted as part of the GradTrac agreement.

If, after working with an academic advisor, it appears that graduation may be delayed due to the unavailability of a course, a student must obtain the requisite form from the advisor and file it with that advisor no later than two working days after the end of the published advanced registration period. The form will be forwarded to the School Director and College Dean as necessary.

If a student meets all the conditions of the degree plan but is unable to graduate due to the unavailability of a course, the University will offer one of the following options:

- Allow the student to graduate in the prescribed number of semesters by substituting a different course or an appropriate independent study assignment, as determined by the School and the College offering the major.
- Allow the student to graduate in the prescribed number of semesters by waiving the requirement to be met by the unavailable course, as determined by the School and College offering the major.
- If the College or School is unable to effect a waiver or substitution that will allow the student to graduate in the prescribed number of semesters, the University will waive the tuition for the course or courses still needed, if taken at Western Illinois University.

Majors Participating in GradTrac*

Accountancy
Agriculture
Anthropology
Applied Economics
Art
Biology
Broadcasting and Journalism
Business Administration
Chemistry—Biochemistry and Chemistry
Clinical Laboratory Science
Communication
Computer Science
Construction Management
Cybersecurity
Educational Studies
Elementary Education—Early Childhood, Elementary Education, and English as a Second Language
Emergency Management
English
Exercise Science
Fire Protection Services
Foreign Languages and Cultures
Geographic Information Science
History
Information Systems
Law Enforcement and Justice Administration
Liberal Arts and Sciences
Mathematics
Meteorology
Middle Level Education—Mathematics, Science, and Social Studies
Music—Applied Music
Nursing
Nutrition and Dietetics
Nutrition and Foodservice Management
Physical Education
Physics—Standard
Political Science
Public Health
Public Relations
Recreation, Sport, and Tourism Administration
Social Work
Sociology
Special Education
Theatre

* Due to additional course requirements, some Teacher Education programs are not included in GradTrac. Students should consult with their academic advisor.

Colleges.....78–89

College of Business, Health, and Community Programs
College of Humanities, Arts, Sciences, and Education

College of Business, Health, and Community Programs

Dean: Dr. Tara N. Feld
Associate Dean for Budget, Personnel, and Strategic Planning:
Dr. Dennis M. DeVolder
Associate Dean for Academic Programs, Assessment, and Student Success:
Dr. Peter F. Jorgensen
Office: Sherman Hall 315
Telephone: (309) 298-2442
Email: *dean-for-cbhcp@wiu.edu*
Website: *wiu.edu/cbhcp*

College Information

The College of Business, Health, and Community Programs (CBHCP) brings together eight schools united by a shared commitment to preparing students for professional practice and leadership. Across the College, academic programs are shaped by specialized accreditation standards, professional licensure and certification requirements, industry expectations, and active advisory boards to ensure graduates are prepared for today's workforce. Experiential learning is central to every program, with students completing clinical education, internships, practicums, field experiences, applied research, and community-engaged projects in partnership with organizations throughout the region.

The College delivers educational excellence that promotes the intellectual and personal growth of students and enhances their contributions to individuals and organizations to thrive, contribute, and lead in a global society. The essence of educational excellence begins with a highly-qualified cadre of professional and scholarly faculty and is realized in a diverse student body, small class sizes, innovative curriculums, the application of current technologies, and a myriad of experiential learning opportunities for our students. Our commitment to academic excellence is reflected in numerous specialized accreditations, national recognitions, and alignment with professional licensure requirements and industry standards. Programs hold distinctions such as AACSB accreditation for business and accounting, ABET accreditation for engineering, CCNE accreditation for nursing, and designation as a National Security Agency/Department of Homeland Security Center of Academic Excellence in Cyber Defense (CAE-CD). Across the College, discipline-specific accreditations, professional approvals, and industry partnerships ensure that curricula remain current, relevant, and responsive to workforce needs—providing students with an education that is respected by employers, valued by graduate and professional programs, and designed for long-term career success and lifelong learning.

The multidisciplinary approach reflected by the Schools and programs within the College creates opportunities for meaningful collaboration with healthcare systems, businesses, government agencies, nonprofit organizations, and community partners, and emphasizes interdisciplinary collaboration, workforce alignment, and student-centered learning. Whether students choose to enter the workforce immediately, pursue professional licensure, or continue into graduate and professional programs, CBHCP provides the academic foundation, applied experiences, personal competencies, and faculty mentorship to help our students to achieve their professional, academic, and personal goals.

Schools and Programs

The College of Business, Health, and Community Programs offers the degree programs housed in the following schools:

School of Accounting and Business Administration

- B.B. in Accountancy
- B.A. in Applied Economics
- B.B. in Business Administration with options in:
  - Business Analytics
  - Economics
  - Finance
  - Human Resource Management
  - Management
  - Marketing
  - Supply Chain Management

School of Agriculture

- B.S. in Agriculture with options in:
  - Agricultural Business
  - Agricultural Science
  - Teacher Education

School of Applied Clinical, Educational, and Professional Programs

- Bachelor of Social Work (B.S.W.)
- B.S. in Speech Pathology and Audiology with an additional option in:
  - Speech Language Pathology Assistant

School of Communication, Media, and Experience Industries

- B.A. in Broadcasting and Journalism
- B.A. in Communication
- B.A. in Public Relations
- B.S. in Recreation, Sport, and Tourism Administration with options in:
  - Recreation Management
  - Sport Management
  - Tourism and Event Management

School of Computing, Data, and Mathematical Sciences

- B.S. in Computer Science
- B.S. in Cybersecurity
- B.S. in Information Systems
- B.S. in Mathematics with additional options in:
  - Actuarial Science
  - Data Science and Statistics
  - Teacher Education

School of Engineering and Technology

- B.S. in Construction Management
- B.S. in Electrical Engineering
- B.S. in Engineering Technology
- B.S. in Mechanical Engineering

School of Law Enforcement and Justice Administration

B.S. in Emergency Management
B.S. in Fire Protection Services with options in:
  Fire Administration
  Fire Medic
  Fire Science
B.S. in Law Enforcement and Justice Administration

School of Nursing, Applied Health, and Human Performance

B.S. in Exercise Science
Bachelor of Science in Nursing (B.S.N.)
B.S. in Nutrition and Dietetics
B.S. in Nutrition and Foodservice Management
B.S. in Public Health

Minors

The College of Business, Health, and Community Programs offers minor programs in the same fields as the major programs and options listed above (except Applied Economics, Business Administration, Construction Management, Electrical Engineering, Engineering Technology, Exercise Science, Fire Medic, Mechanical Engineering, Nursing, Nutrition and Foodservice Management, Public Health, Public Relations, Social Work, and Speech Pathology and Audiology).

In addition, the College offers the following minor programs that have no corresponding majors: Agricultural Economics, Agricultural Technology Management, Agronomy, Algorithms and Data Management, American Sign Language, Animal Science, App Development, Applied Artificial Intelligence, Applied Mathematics, Business, Coaching, Computer Science Education, Construction and Facilities Technology, Corrections, Criminalistics, Event Planning and Management, Health Communication, Homeland Security, Industrial Technology, Information Technology, International Business, Legal Studies, Manufacturing Technology, Middle Level Mathematics Teaching, Natural Resources Conservation, Network Technologies, Nonprofit Administration, Operations Management, Plant Breeding, Pre-MBA, Precision Agriculture, Security Administration, Social Media, Sports Broadcasting, and Sustainable Business.

For more information, please see the Minors section of this catalog (p. 244).

Limit on Business Credits

Students who are not declared as Bachelor of Business majors may enroll/count a maximum of 29 total hours of coursework with the following prefixes: ACCT, BAT, B L, DS, FIN, HRM, MGT, MKTG, OM, and SCM. Business courses in excess of 29 hours will not be counted toward degree or graduation requirements for non-business majors. Exceptions to this rule require the permission of the Dean of the College of Business, Health, and Community Programs.

Major in Business

Acceptance as a declared business major requires the completion of at least 60 s.h. and, except as provided below, at least 12 s.h. completed at WIU with a cumulative grade point average of at least 2.50 at WIU. The student must have also completed ACCT 201 and 202, ECON 231 and 232, MATH 123, and STAT 171. Students not eligible to declare may enroll in a Pre-Business Program. Enrollment in these programs does not guarantee acceptance into one of the major areas as a candidate for the Bachelor of Business degree.

Transfer students who have earned 60 hours prior to matriculation at WIU, with a cumulative grade point average of 2.50, and who have completed ACCT 201 and 202, ECON 231 and 232, MATH 123, and STAT 171 will enter as declared majors.

All students must have attained junior standing in order to enroll in 300- and 400-level business courses with the exception of courses in Economics.

Pre-Business students who have earned 60 hours, but are otherwise ineligible to declare a business major, will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits above) and may be removed from business courses.

Students are expected to complete a minimum of 24 s.h. in the major area as defined by the appropriate program. In special cases, the Director of the School, the Dean of the College of Business, Health, and Community Programs, and the Council on Admission, Graduation, and Academic Standards (CAGAS) may approve a course outside the college as a substitute for a major area requirement.

After satisfying the University General Education Curriculum, the Business Core, and the major area courses, the remaining courses may be taken as open electives.

Pre-Professional Programs

The College of Business, Health, and Community Programs provides advising for pre-professional programs in MBA and Veterinary Medicine. In addition, the School of Law Enforcement and Justice Administration within the College offers the minor in Legal Studies, which supports the pre-professional program in Law. Please see the Pre-Professional Programs section of this catalog (p. 232) for additional information.

Academic Advising

Advising is an integral part of any academic program. Advisors assist students with registration, academic planning, and meeting graduation requirements. Advisors can succeed in these tasks only if students maintain contact. Students must meet with their academic advisor each semester prior to pre-registration. The advisor should be consulted regarding all courses taken and dropped in order to ensure that the requirements of the program are being followed and will be properly fulfilled. The College of Business, Health, and Community Programs maintains advising centers across the campus to serve its various majors.

College Graduation Requirements

In addition to meeting University Graduation Requirements (see p. 44), students in the College of Business, Health, and Community Programs must:

1. Complete the appropriate total of semester hours needed for graduation in the specific curriculum pursued (120 s.h. minimum per University Graduation Requirements; some majors required additional s.h. beyond this minimum) to fulfill the major, minor (if needed), and elective requirements of the degree program.
2. Complete the minimum number of upper-division courses (numbered 300 or above) required in the major. Per University Graduation Requirements, all students must complete a minimum of 42 s.h. of upper-division courses. However, some degree programs specify how many of these upper-division s.h. must be completed within the major. For additional information regarding specific majors, students should contact their advisor.
3. Students in CBHCP who are pursuing a Bachelor of Business (B.B.) degree must also:
   A. Complete the last 30 s.h. in residence.
   B. Complete at least 50% of the required business credit hours in residence.

Licensure to Teach

Students enrolled in the College of Business, Health, and Community Programs who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major or minor requirements for Teacher Education students as described under the various degree requirements. See Teacher Education Program (p. 236) for additional information and specific requirements.

Additional Resources

From boardrooms and broadcast studios to clinics, farms, engineering laboratories, emergency operations centers, and community organizations, students gain hands-on experience that builds confidence and career-ready skills. Whether developing communication strategies in the Social Media Lab, producing multimedia content in our broadcasting studios, serving clients through the Speech, Language, and Hearing Clinic and the Western Autism Clinic of Excellence (WACE), caring for patients through immersive nursing simulation and clinical experiences, promoting health and wellness through applied exercise science and human performance laboratories, exploring more than 400 acres of teaching and research farmland and three research greenhouses, or applying technical skills in engineering and technology laboratories equipped with industry-standard equipment, students learn by doing from their first year through graduation.

Beyond the classroom, CBHCP supports student success and career readiness through peer and discipline-specific academic support, professional development programming, student organizations, and opportunities to engage with alumni, employers, and industry professionals. Students enrolled in CBHCP courses have access to Knack peer tutoring, along with specialized academic support available through individual schools and programs. First-year and transfer initiatives, professional development seminars, career-focused events, student organizations, competitions, and other co-curricular experiences help students build professional skills, develop networks, and connect their academic experiences to future career goals.

Interim Dean: Dr. Kyle R. Mayborn
Associate Dean for Budget, Personnel, and Strategic Planning:
Dr. Tawnya J. Adkins Covert
Associate Dean for Academic Programs, Assessment, and Student Success:
Dr. Keith A. Boeckelman
Office: Sherman Hall 317
Telephone: (309) 298-1828
Email: *dean-for-chase@wiu.edu*
Website: *wiu.edu/chase*

College Information

The College of Humanities, Arts, Sciences, and Education (CHASE) focuses on understanding and transmitting human culture and knowledge. Its purview includes the broad categories of Visual and Performing Arts, Humanities, Social Sciences, Natural Sciences, and Teacher Education. Dedicated to the concept of excellent instruction, the College provides high-quality professional training for its students, including future teachers. In addition, it offers much of the University General Education curriculum. The College encourages research, performances, and displays that expand knowledge and better humanity. As such, it creates an academic community where collaboration strengthens research, creative activity, and educator preparation.

While preparing students for a broad range of careers, the programs in the College are not limited to a narrow vocational orientation. It houses a number of diverse programs that are designed to provide a challenging and supportive learning environment that meets the humanistic and technological demands of a global society. The College fills the continuing and growing demand for broadly educated young men and women who have the skills and knowledge essential to compete in a diverse and constantly changing landscape of careers and occupations. In addition to preparing students to enter the workforce directly, our majors provide the theoretical basis for specialized study in graduate and professional schools.

The College believes that a quality education prepares its graduates to think clearly and logically. They will be able to draw meaningful conclusions from various languages, symbols, and texts; make informed decisions; develop self-discipline; and achieve a high standard of scholarly and technical artistry or knowledge in their subject field. Moreover, our students develop their imaginations, character, and integrity.

All of the College's programs maintain close relationships with external communities through a wide array of experiences, ranging from internships to student teaching. These experiences ensure that our graduates are well prepared for their chosen career path. All of the College's teacher education programs are approved by the Illinois State Board of Education.

Art and Theatre majors must meet specific grade point average requirements in the major's core to enroll in one of these comprehensive programs. Admission to all programs in Music and the B.F.A. in Musical Theatre program are contingent upon satisfactory performance in audition.

Schools and Programs

The College of Humanities, Arts, Sciences, and Education offers the degree programs housed in the following schools:

School of Education

- B.S.Ed. in Educational Studies
- B.S.Ed. in Elementary Education with additional options in:
  - Early Childhood Education
  - English as a Second Language Education
  - Multilingual Education
- B.S.Ed. in Middle Level Education
- B.S. in Physical Education
- B.S.Ed. in Special Education

School of Humanities

- B.A. in English with options in:
  - Literature and Language
  - Teacher Education
- B.A. in Foreign Languages and Cultures with options in:
  - French
  - French Teacher Education
  - Spanish
  - Spanish Teacher Education
- B.A. in History with additional options in:
  - Pre-Law
  - Teacher Education
- Bachelor of Liberal Arts and Sciences (B.L.A.S.) with options in:
  - African American Studies
  - Paired Minors

School of Natural Sciences

- B.S. in Biology with options in:
  - Environmental Biology
  - Medical Sciences
  - Microbiology
  - Science/Biology Teacher Education
  - Zoology
- B.S. in Chemistry with additional options in:
  - Biochemistry
  - Pharmacy
  - Science/Chemistry Teacher Education
- B.S. in Clinical Laboratory Science
- B.S. in Forensic Chemistry
- B.S. in Geographic Information Science with options in:
  - Geoenvironment and Planning
  - Geospatial Science
- B.S. in Meteorology with options in:
  - Applied Meteorology
  - Operational Meteorology
- B.S. in Physics with additional options in:
  - Engineering Physics
  - Science/Physics Teacher Education

School of Social Sciences

- B.A. in Anthropology
- B.A. in Political Science with options in:
  - Government and Politics
  - Pre-Law
- B.S. in Psychology with an additional option in:
  - Forensic Psychology
- B.A. in Sociology

School of Visual and Performing Arts

- B.A. in Art with options in:
  - Art Studio
  - Graphic Design
- B.F.A. in Art with options in:
  - Art Studio
  - Graphic Design
  - Teacher Education
- Bachelor of Music (B.M.) with options in:
  - Applied Music (Composition, Jazz, Piano, Strings, Vocal, Wind/Percussion)
  - Music Business
  - Music Therapy
  - Teacher Education
- B.F.A. in Musical Theatre
- B.A. in Theatre with options in:
  - Performance
  - Production/Design

Minors

The College of Humanities, Arts, Sciences, and Education offers minor programs in the same fields as the major programs and options listed above (except Biology, Clinical Laboratory Science, Early Childhood Education, Elementary Education, English as a Second Language Education, Liberal Arts and Sciences, Meteorology, Middle Level Education, Multilingual Education, Musical Theatre, Physical Education, and Special Education).

In addition, the College offers the following minor programs that have no corresponding majors: Art History, Botany, Cannabis and Culture, Conceptual Physics, Creative Writing, Dance, Environmental Studies, Film, Forensic Science, Geographic Information Systems, Geography, Global Politics, International Studies, Jazz Studies, Latinx Studies, Law and Society, Mental Health, Middle Level Literacy Teaching, Middle Level Science Teaching, Middle Level Social Studies Teaching, Philosophy, Professional Writing, Public Administration and Public Service, Queer Studies, Religious Studies, Stage Combat, Teaching English to Speakers of Other Languages (TESOL), Weather and Climate, and Women's Studies.

For more information, please see the Minors section of this catalog (p. 244).

Dual Programs

Schools within the College of Humanities, Arts, Sciences, and Education provide advising for dual programs in Clinical Laboratory Science, Engineering, and Law, whereby a student can complete requirements for a bachelor's degree in the College of Humanities, Arts, Sciences, and Education while working toward a professional degree or certificate. Please see the Dual Programs section of this catalog (p. 223) for additional information.

Pre-Professional Programs

The College of Humanities, Arts, Sciences, and Education provides advising for pre-professional programs in Engineering, Clinical Laboratory Sciences, and Health. In addition, the College offers the minor in Law and Society, and two schools within the College (Humanities and Social Sciences) offer Pre-Law options in their degree programs; this minor and these options support the pre-professional program in Law. Please see the Pre-Professional Programs section of this catalog (p. 232) for additional information.

Academic Advising

Advising is an integral part of any academic program. Advisors assist students with registration, academic planning, and meeting graduation requirements. Advisors can succeed in these tasks only if students maintain contact. Students must meet with their academic advisor each semester prior to pre-registration. The advisor should be consulted regarding all courses taken and dropped in order to ensure that the requirements of the program are being followed and will be properly fulfilled. The College of Humanities, Arts, Sciences, and Education maintains advising centers across the campus to serve its various majors.

College Graduation Requirements

In addition to meeting University graduation requirements, students in the College of Humanities, Arts, Sciences, and Education must:

1. Complete the appropriate total of semester hours needed for graduation in the specific curriculum pursued (120 s.h. minimum per University Graduation Requirements; some majors required additional s.h. beyond this minimum) to fulfill the major, minor (if needed), and elective requirements of the degree program.
2. A minimum of 16 s.h. should be taken to meet the University General Education requirements during the freshman year and a minimum of 16 s.h. during the sophomore year.
3. Complete an approved major of a minimum of 32 s.h. At least 15 s.h. of the 32 hours of a major must be in courses numbered 300 or above. (Students majoring in disciplines in the School of Visual and Performing Arts must complete at least 12 s.h. in courses numbered 300 or above in the major.)

Licensure to Teach

Students enrolled in the College of Humanities, Arts, Sciences, and Education who wish to obtain a teaching license must meet all criteria for admission to the Teacher Education Program, complete the Teacher Education curriculum, and complete the major or minor requirements for Teacher Education students as described under the various degree requirements. See Teacher Education Program (p. 236) for additional information and specific requirements.

Additional Resources

The academic programs are enhanced by many special facilities and centers which enrich students' educational experiences while connecting the University with the larger community. Brief descriptions of some of these facilities and centers follow.

Alice L. Kibbe Life Science Research Station

The School of Natural Sciences manages a field station for scientific and instructional use located 45 miles west of Macomb on the Mississippi River. The field station consists of three units, 415 acres owned by the University, 697 acres owned by The Nature Conservancy which serve as a wintering roosting area for Bald Eagles, and 587 acres owned by the Illinois Department of Natural Resources which is primarily river floodplain habitat and a designated nature preserve area. The field station facilities include the resident manager's house, two large storage buildings for boats and maintenance equipment, and a teaching/resident facility. From three to five field-oriented courses are offered each summer at the field station. For more information, contact Dr. Sean E. Jenkins, Field Station Director, School of Natural Sciences, Waggoner Hall 215, telephone (309) 298-2045.

Art Gallery

The University Art Gallery provides quality visual art experiences to enhance the cultural life of the University and the McDonough County region. It provides a permanent collection of art for study, and a schedule of changing exhibitions that complement university curricula and initiatives. A central goal of the Art Gallery is to encourage art appreciation and self-reflection through programming that fosters an awareness of why and how artists work, an understanding of the significance of art in past and present times, and an appreciation of how the ability to interpret images can deepen our understanding of the world and of ourselves. For more information, please contact Director Tyler Hennings at (309) 298-1587 or *ta-hennings@wiu.edu*.

Bureau of Cultural Affairs

The College advises the Bureau of Cultural Affairs (BCA), an arts presenting student organization comprised of WIU students, faculty, staff, and community members. Affordable and diverse performances each year include national Broadway tours, theatre, dance, symphonies, headline musical artists, chamber music, young artists, comedy, and youth programming. BCA performances are free to WIU students.

Community Music School

The mission of the WIU Community Music School is to connect our community through music learning by providing accessible, high-quality instruction to individuals of all ages, abilities, and backgrounds. Each semester it holds recitals featuring participants in group and individual performances. The Community Music School believes music is a vital part of a thriving community and that everyone has the potential to engage in meaningful musical expression. Through inclusive educational experiences and diverse performance opportunities, it enriches lives and fosters cultural growth throughout the Western Illinois region. For more information, please call (309) 298-2020 or email *communitymusic@wiu.edu* or Director Dr. Jena Gardner at *je-gardner2@wiu.edu*.

GIS Center

The WIU GIS Center, housed in the School of Natural Sciences, serves the McDonough County GIS Consortium, a partnership between the City of Macomb, McDonough County, and Western Illinois University. Housed on the fifth floor of Currens Hall on the WIU campus, the Center is responsible for compiling, managing and storing GIS data layers for the Consortium. The Center has completed GIS and GPS work for various federal, state and local entities, has partnered with WIU faculty members on research projects, and provides hands-on GIS and GPS training for Western Illinois University students. For more information, call (309) 298-1566 or email *GISCenter@wiu.edu*.

Horn Field Campus

Horn Field Campus (HFC), located just one mile south of Macomb at 985 China Road, is a unit of the College of Humanities, Arts, Sciences, and Education. The 92-acre learning center includes a comprehensive challenge course facility surrounded by savannah-oak woodlands, a restored prairie, foot trails, and a historic lodge and cabins for meetings and retreats. HFC is available for campus and community use year-round upon request and reservation. Please contact the office at (309) 298-4676 (HORN) or *HF-campus@wiu.edu* for scheduling information and to confirm your date(s).

Infant and Preschool Center

Established in 1977, the Infant and Preschool Center maintains a program geared to the optimal development of the growing child, while providing students with opportunities for observation and hands-on experience training. The center is licensed by the Department of Children and Family Services to serve children ranging from six weeks to six years of age. It accepts any children within the specified age range, including those with special needs. Among other goals, the Center helps children develop and maintain positive feelings about themselves and about their own abilities, heighten their awareness of the world around them through sensory experiences, improve language skills, develop expressive capabilities, and grow in a healthy fashion. For more information, please call (309) 298-1250, or visit the website at *wiu.edu/coehs/preschool/staff.php*.

Kellogg Science Center

The Maurice G. Kellogg Science Education Center exists for the purpose of promoting science both at the pre-service and in-service levels as well as to the community and region of west-central Illinois. WIU students enrolled in the School of Education, who are working towards a teaching degree, benefit from opportunities for taking a number of science methods courses and experiencing a variety of different forms of professional development. Science Education faculty strive to provide innovative and inquiry-based approaches for training teachers to teach science effectively throughout the elementary and middle school grades. For more information, contact Dr. Sebastian Szyjka at *sp-szyjka@wiu.edu*.

Psychology Clinic

The Psychology Clinic provides training in helping skills to advanced graduate students in Psychology. Its mission is to help individuals and families improve the quality of their lives by assisting them in dealing with personal and interpersonal problems. Services provided include individual psychotherapy for children and adults, family therapy, and marital/couples therapy. The WIU Psychology Clinic also provides low cost, discounted psychoeducational assessment to younger individuals. For more information, please phone (309) 298-1919 or email *psychologyclinic@wiu.edu*.

Reading Center

The mission of the Western Illinois University Reading Center is to provide essential services in reading and related areas that otherwise may not be readily available. It also facilitates the nationwide America Reads program, which aims for each child in America to be able to read independently by the third grade. The Reading Center serves students in public and private schools in west central Illinois, as well as individuals in the region who may not be currently enrolled as students. It offers a variety of services, including assessment in reading and related areas, consultation and staff development for public and private schools and members of the WIU community, check out services of materials to students and faculty in the School of Education, and tutoring services through the America Reads Challenge tutoring program at several area elementary schools. (WIU students serve as tutors in this after school program.) For more information, please call (309) 298-2033 or contact Dr. Melissa Stinnett at *M-Stinnett@wiu.edu*.

Seymour Center for Rural Education

The Arlington and Arlene Seymour Center for Rural Education is housed within the School of Education. It is the first center of its kind in Illinois and one of a few in the United States to focus on rural education. Its vision includes developing a system to expand the teacher applicant pool for rural school districts in our region, providing teacher, school, and school district support, developing a network of rural educators, conducting research on all areas of rural education, and advocating for rural education at the local, regional, state and national level. For more information please call (309) 298-1732 or email *soedu@wiu.edu*.

University Writing Center

The University Writing Center's consultants are resource experts who offer writing support in one-on-one and group settings to all writers on any project at any stage of the writing process. Through collaborative engagement between writers, ideas, and texts, it supports writers in their growth and development by connecting them with resources and teaching them techniques and strategies for improving and honing their writing. The Center also seeks to support faculty and classrooms in best practices for teaching and learning writing through workshops and in-classroom support tailored to specific needs. For more information, please contact Dr. Matthew Balk, Center Director, at *mj-balk@wiu.edu* or (309) 298-1103.

WIU Curriculum Library

The WIU Curriculum Library provides resources for educators, including subject-specific materials for arts, STEM, social studies, and classroom learning. It provides professional tools, classroom ideas, and teaching support, as well as open educational resources, instructional technology, and media for teaching. Students and educators can access award winning children's literature and resources for intellectual freedom. For more information, contact David Macchi at (309) 298-1101 or *dj-macchi@wiu.edu*.

Academic Schools

Academic Schools.....91–115

School of Accounting and Business Administration (91)
School of Agriculture (92)
School of Applied Clinical, Educational, and Professional Programs (94)
School of Communication, Media, and Experience Industries (96)
School of Computing, Data, and Mathematical Sciences (98)
School of Education (100)
School of Engineering and Technology (102)
School of Humanities (103)
School of Law Enforcement and Justice Administration (106)
School of Natural Sciences (108)
School of Nursing, Applied Health, and Human Performance (111)
School of Social Sciences (113)
School of Visual and Performing Arts (115)

Director: Dr. Stephen S. Gray
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Website: *wiu.edu/cbt/afed*

Program Offerings

- B.B. in Accountancy
- B.A. in Applied Economics
- B.B. in Business Administration
- Minor in Accountancy
- Minor in Business
- Minor in Business Analytics
- Minor in Economics
- Minor in Finance
- Minor in Human Resource Management
- Minor in International Business
- Minor in Management
- Minor in Marketing
- Minor in Pre-MBA
- Minor in Supply Chain Management
- Minor in Sustainable Business

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Accounting and Business Administration prepares students to become ethical business leaders, innovative problem-solvers, and skilled professionals ready to succeed in today's global economy. Through nationally accredited programs, experiential learning opportunities, dedicated faculty mentorship, and strong industry partnerships, students gain the knowledge and practical experience necessary to excel in business, government, nonprofit organizations, and graduate study.

The School's Bachelor of Business (B.B.) degree programs are accredited by the Association to Advance Collegiate Schools of Business (AACSB International), placing them among an elite group of business programs worldwide recognized for excellence in teaching, curriculum, and student success. Each Business Administration degree option allows students to develop expertise aligned with their own professional goals. The B.B. in Accountancy also holds AACSB Supplemental Accounting Accreditation, a distinction achieved by a select number of accounting programs internationally

Students benefit from personalized instruction, small class sizes, opportunities for internships and undergraduate research, faculty mentorship, professional networking, and participation in regional and national conferences, competitions, and student organizations. The School maintains active memberships in organizations such as the Illinois Business Education Association (IBEA), and the National Retail Federation (NRF), providing students with valuable professional connections throughout their academic careers. The School also leads the Corn Belt Port Rural Logistics & Maritime Training & Education Consortium made up of ten member institutions across Illinois, Iowa, Missouri, and Wisconsin. The Consortium has been designated as a Center of Excellence for Domestic Workforce Training and Education by the U.S. Department of Transportation Maritime Administration (MARAD).

Outstanding undergraduate students may also pursue the Integrated Baccalaureate and Master's Degree Program, allowing qualified students to earn both a bachelor's degree and a Master of Accountancy or Master of Business Administration (MBA) in approximately five years.

School of Agriculture

Director: Dr. Keela M. Trennepohl
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Program Offerings

- B.S. in Agriculture
- Minor in Agricultural Economics
- Minor in Agricultural Technology Management
- Minor in Agriculture
- Minor in Agronomy
- Minor in Animal Science
- Minor in Natural Resources Conservation
- Minor in Plant Breeding
- Minor in Precision Agriculture

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Agriculture provides students with a strong foundation across the many facets of agriculture through a hands-on, student-centered learning experience. Through coursework in agribusiness, animal science, agronomy, communication, leadership, and professional success, students develop a broad understanding of the industry while exploring the areas that interest them most. This allows students to discover their passion, choose their best degree path, and build the knowledge and skills employers value.

Students earn a Bachelor of Science (B.S.) in Agriculture with an option in Agricultural Business, Agricultural Science (agronomy and/or animal science), or Agriculture Teacher Education. Faculty know students by name, invest in their success, and provide individualized mentoring from the first semester through graduation.

From their first semester on campus, students work side-by-side with faculty, gaining valuable hands-on experience, leadership opportunities, and individualized mentoring that will set them apart as graduates. Small class sizes create an engaging learning environment where students truly get to know their professors, their classmates, and the material they are studying. That learning extends beyond the classroom at the nearby WIU Farm, giving students hands-on experience with sheep, cattle, swine, agronomy, and greenhouse production. Students also have access to our off-campus organic farm, where they evaluate sustainable production systems, cover crops, and soil health. Hands-on precision agriculture courses and laboratories provide students with the technical skills needed to use industry-leading technologies that support data-driven decisions in modern crop production. Rather than simply observing agriculture, students manage livestock, harvest crops, and help operate facilities that advance modern agriculture.

In addition to practical experience, undergraduate students are invited to assist faculty with research in animal science, conventional and organic crop production, alternative cropping systems, plant breeding, precision agriculture, and experiential learning techniques. Our nationally recognized Livestock Judging Team consistently competes among the nation's best and earned the 2026 National Western Stock Show Collegiate title. Students actively participate in the Professional Agricultural Students (PAS) organization and the North American Colleges and Teachers of Agriculture (NACTA), providing opportunities to travel, compete, and develop professionally. In the course of their studies, students develop meaningful relationships with

faculty, alumni, and industry leaders while hosting field days, livestock shows, FFA competitions, community college judging contests, the annual Bull Test Sale, and the largest student-run farm expo in the country. The School's annual Agriculture Career Fair connects students with more than 40 agricultural employers and organizations, while industry field trips and tours provide additional opportunities to build professional connections.

At the WIU School of Agriculture, you'll become part of a community that is committed to your success. Our students aren't spectators. They are active contributors to the teaching, research, and outreach that define our School of Agriculture. You will graduate with more than a degree, leaving with hands-on experience, leadership skills, lifelong friendships, and a professional network that opens doors throughout the agricultural industry. You'll leave prepared not only for your first job, but to make a lasting impact on the future of agriculture.

Pre-Professional Program

The School of Agriculture offers a pre-professional program in Veterinary Medicine. Please see the Pre-Professional Programs section of this catalog (p. 235) for additional information.

School of Applied Clinical, Educational, and Professional Programs

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Program Offerings

- Bachelor of Social Work (B.S.W.)
- B.S. in Speech Pathology and Audiology
- Minor in American Sign Language

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The mission of the School of Applied Clinical, Educational, and Professional Programs (ACEPP) is to prepare highly competent, ethical, and culturally responsive professionals who serve individuals, families, communities, and institutions. The School integrates evidence-based practice, applied learning, interdisciplinary collaboration, leadership, and community engagement to meet evolving workforce needs while improving the health, education, and well-being of society.

ACEPP prepares future professionals to improve the lives of individuals, families, schools, organizations, and communities through education, clinical practice, leadership, advocacy, and service. Bringing together the disciplines of Counselor Education, College Student Personnel, Social Work, and Speech Pathology and Audiology, ACEPP offers an interdisciplinary learning environment where students gain the knowledge, skills, and professional experiences necessary to meet the evolving needs of today's workforce.

The School is also home to specialized clinical, educational, and community-based programs that extend learning beyond the classroom while providing valuable services throughout the region. The WIU Speech-Language Hearing Clinic and Western Autism Center for Excellence provide clinical services, evaluation, education, and support to individuals and families while creating opportunities for student learning. Counseling practica, Social Work field education, student affairs leadership experiences, internships, and community partnerships further connect students with the populations and organizations they may eventually serve as professionals.

Hands-on learning is a distinguishing characteristic of ACEPP and begins during the undergraduate experience. Students across the School engage in clinical experiences, field education, internships, practica, laboratory instruction, and community-based service that connect academic preparation with professional practice. Speech Pathology and Audiology undergraduate students have the distinctive opportunity to participate as student clinicians in the WIU Speech-Language Hearing Clinic. Students work alongside certified professionals while providing speech-language and audiological services to children and adults from the community, developing hands-on clinical skills before entering graduate study. Social Work students complete an intensive field education experience that serves as the culmination of their undergraduate professional preparation, engaging in 450 hours of supervised practice in an agency setting, applying the knowledge, values, and skills developed throughout their academic program. With relationships developed across more than 200 agencies, WIU Social Work students have contributed more than 250,000 hours of service to communities through field education.

ACEPP is committed to staying relevant and responding to workforce needs. Faculty continually evaluate and enhance curricula, develop new academic and clinical initiatives, expand community partnerships, and explore innovative program delivery models that increase educational access for both traditional and nontraditional students. This commitment ensures graduates are prepared to meet changing professional standards while addressing critical workforce shortages across education, healthcare, behavioral health, and community services.

School of Communication, Media, and Experience Industries

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Program Offerings

- B.A. in Broadcasting and Journalism
- B.A. in Communication
- B.A. in Public Relations
- B.S. in Recreation, Sport, and Tourism Administration
- Minor in Advertising and Public Relations
- Minor in Broadcasting and Journalism
- Minor in Communication
- Minor in Event Planning and Management
- Minor in Health Communication
- Minor in Nonprofit Administration
- Minor in Recreation, Sport, and Tourism Administration
- Minor in Social Media
- Minor in Sport Management
- Minor in Sports Broadcasting

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Communication, Media, and Experience Industries prepares students to become creative, ethical, and community-engaged professionals who shape how people connect, communicate, learn, and experience the world. Through innovative teaching, hands-on learning, and meaningful partnerships with industry and community organizations, students develop the knowledge, skills, and experiences needed to thrive in careers that influence culture, strengthen communities, and enrich people's lives.

The School brings together the complementary disciplines of communication, public relations, broadcasting, media production, museum studies, recreation, sport management, tourism, and event management. While these fields may appear different at first glance, they share common purposes: creating meaningful experiences, building relationships, telling compelling stories, preserving and interpreting culture, and helping organizations engage the audiences and communities they serve. Students frequently work across disciplines to solve real-world problems, develop communication strategies, produce media content, create events, manage visitor experiences, and strengthen organizations and communities. This interdisciplinary approach prepares graduates to think beyond traditional boundaries and to understand how communication, creativity, leadership, research, and human experience intersect across a wide range of professions.

Students learn by doing. Faculty members combine scholarly expertise with professional experience to provide engaging instruction, individualized mentoring, and opportunities to apply classroom knowledge through internships, field experiences, research, service-learning, student organizations, campus and national media, and community partnerships. Whether developing strategic communication and public relations campaigns, producing multimedia content, planning community events, managing recreation and sport programs, interpreting cultural resources, or conducting audience and visitor research, students gain practical experience that builds professional portfolios, strengthens leadership skills, and prepares them

to contribute immediately in the workplace. The School offers all WIU students (regardless of major) the opportunity to get involved with established media platforms such as the *Leatherneck Insider*, our weekly sports variety show; News3 TV, our weekly live television show; WIUS-FM "The Dog" radio station; the *Western Courier*, a digital news publication run entirely by students; and the Social Media Lab, a place for students to get hands-on experience while learning industry-standard software, terminology, and social media metrics.

The experience economy continues to be one of the fastest-growing sectors of the global economy, creating demand for professionals who can communicate effectively, design engaging experiences, preserve cultural resources, and lead organizations through innovation and change. At the same time, rapid advances in digital media, emerging communication technologies, and evolving audience expectations continue to transform how people interact with information, organizations, and one another. The School prepares graduates to navigate these changes with creativity, adaptability, critical thinking, and a strong ethical foundation.

School of Computing, Data, and Mathematical Sciences

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Website: *wiu.edu/computersciences, wiu.edu/mathphil*

Program Offerings

- B.S. in Computer Science
- B.S. in Cybersecurity
- B.S. in Information Systems
- B.S. in Mathematics
- Minor in Algorithms and Data Management
- Minor in App Development
- Minor in Applied Artificial Intelligence
- Minor in Applied Mathematics
- Minor in Computer Science
- Minor in Computer Science Education
- Minor in Cybersecurity
- Minor in Information Systems
- Minor in Information Technology
- Minor in Mathematics
- Minor in Middle Level Mathematics Teaching
- Minor in Network Technologies

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Computing, Data, and Mathematical Sciences is an interdisciplinary community where computing, mathematics, and statistics converge to educate the next generation of innovators, problem-solvers, and technology leaders. By integrating computer science, cybersecurity, information systems, mathematics, and statistics, the School prepares students to address complex challenges in business, industry, healthcare, government, education, and scientific research.

Building on strong foundations in computer science, pure and applied mathematics, and statistics, the School continually evolves its programs to reflect advances in software development, artificial intelligence (AI), machine learning, data science, data analytics, cybersecurity, and intelligent information systems. The School maintains a traditional core curriculum along with specialized courses that meet recognized professional standards, national and state educational requirements, and dynamic workforce needs.

Experiential learning is central to our mission. Through the Cybersecurity Center and industry partnerships, students solve real-world problems while developing ethical leadership and technical expertise. Notably, Western Illinois University is a National Center of Academic Excellence in Cyber Defense (CAE-CD), a designation that validates the quality of our cybersecurity curriculum. The School's Actuarial Science program is recognized by the Society of Actuaries (SOA) through its Universities and Colleges with Actuarial Programs (UCAP) designation. The curriculum prepares students for professional actuarial examinations and includes coursework approved to satisfy applicable Validation by Educational Experience (VEE) requirements, providing graduates with a strong foundation for careers in actuarial science, risk management, insurance, finance, and analytics.

The School also serves the broader University community by providing instruction in core competency and general education in mathematics and statistics that develop

quantitative reasoning across disciplines. Through courses in computer science, information systems, cybersecurity, and AI, the School equips students across campus with the digital competencies and technological fluency needed to succeed in an increasingly connected and data-driven world.

Advanced Placement (AP) and College Level Examination Program (CLEP)

Students scoring 3 or higher on the AP Calculus AB Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134. Students scoring 5 or 4 on the AP Calculus BC Examination will receive 8 s.h. of credit for MATH 133 and 134 and advanced placement into MATH 231. Students scoring a 3 on the AP Calculus BC Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134.

Students scoring 3 or higher on the AP Statistics Examination will receive 3 s.h. of credit for STAT 171.

Students scoring 53 or higher on the CLEP Calculus Examination will receive 4 s.h. of credit for MATH 133 and advanced placement into MATH 134.

Proficiency Examinations

Proficiency examinations are available from the Proficiency Examination Coordinator (Morgan Hall 476) for the material covered in MATH 133, 134, 231, 137, and STAT 276. The department may approve proficiency examinations in some upper division courses if sufficient justification and evidence of knowledge are presented. Students will receive the appropriate hourly credit for each course for which they pass the proficiency examination.

School of Education

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Website: *wiu.edu/coehs/education*

Program Offerings

- B.S.Ed. in Educational Studies
- B.S.Ed. in Elementary Education
- B.S.Ed. in Middle Level Education
- B.S. in Physical Education
- B.S.Ed. in Special Education
- Minor in Educational Studies
- Minor in Middle Level Literacy Teaching
- Minor in Teaching English to Speakers of Other Languages (TESOL)

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

Acceptance/Retention in Teacher Education Program

All students seeking a degree option that leads to a Professional Teacher License must also be accepted and retained in the Teacher Education Program. Candidates are to consult with their academic advisor to determine the appropriate time for formal admission to the Teacher Education Program. Candidates must satisfy all requirements of the approved Illinois State Board of Education program and are responsible for expenses related to program and/or licensure requirements. For additional information about Teacher Education requirements, see the Teacher Education section of this catalog (p. 236).

Advising

Central advising for students in all degree programs offered in the School of Education is maintained in the Office of Teacher Education. Secondary majors should consult with the secondary education advisor in the Office of Teacher Education, as well.

Transfer Students

All grades on the transfer transcript will count in the calculation of the GPA to determine eligibility to become a major in the Teacher Education Program (2.0 required for ECH option; 2.50 for ELED, ESL, and Multilingual options, Middle Level, and SPED) and enroll in upper-division courses and field experiences. For additional information about Teacher Education requirements, see the Teacher Education section (p. 236).

School Information

The School of Education prepares future educators to take informed, reflective action rooted in sound knowledge and guided by the highest standards of professional practice in the field of education. Our programs equip teacher candidates to adapt to evolving social, economic, and cultural landscapes; leverage technology to enhance teaching and learning; and empower all learners.

Students begin with a strong foundation in general studies, followed by a carefully sequenced progression of exploratory, experiential, and student-centered professional courses in education foundations and subject-area methods. Emphasis is placed on evidence-based practices, differentiated instruction, effective technology integration, and assessment strategies.

Early and increasingly intensive field experiences—beginning in the first year and culminating in a senior-year student teaching placement—allow candidates to observe and work with children in diverse classroom settings. These programs are designed to ensure graduates can plan, implement, and adapt instruction that fosters measurable student growth and achievement in any educational context.

The School of Education offers five degree programs:

1. B.S. in Physical Education
2. B.S.Ed. in Educational Studies, non-licensure
3. B.S.Ed. in Elementary Education with options in:
    a. Early Childhood Education, licensure (birth–grade 2) or non-licensure (ECH Gateway Credential)
    b. Elementary Education, licensure (grades 1–6)
    c. English as a Second Language Education, licensure (grades 1–6 and ESL endorsement)
    d. Multilingual Education, licensure (grades 1–6, ESL and bilingual endorsement)
4. B.S.Ed. in Middle Level Education, licensure (grades 5–8) with endorsements in:
    a. Language Arts
    b. Mathematics
    c. General Science
    d. Social Science
5. B.S.Ed. in Special Education, licensure (grade K–age 22)

School of Engineering and Technology

Interim Director: Prof. Rafael Obregon

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Macomb Telephone: (309) 298-1091
Macomb Fax: (309) 298-1061

Quad Cities Office: Riverfront Hall 211H
Quad Cities Telephone: (309) 762-9481

Email: *engineering@wiu.edu, engrtech@wiu.edu*
Website: *wiu.edu/engineering, wiu.edu/engrtech*

Program Offerings

- B.S. in Construction Management
- B.S. in Electrical Engineering
- B.S. in Engineering Technology
- B.S. in Mechanical Engineering
- Minor in Construction and Facilities Technology
- Minor in Industrial Technology
- Minor in Manufacturing Technology
- Minor in Operations Management

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Engineering and Technology prepares students to transform ideas into practical solutions—from concept to completion. Through programs in Engineering (Electrical and Mechanical), Engineering Technology, and Construction Management, students develop the technical knowledge, creativity, and problem-solving skills needed to design, build, and improve the systems, technologies, and infrastructure that support modern society. The School emphasizes hands-on learning, innovation, entrepreneurial thinking, leadership, and the practical application of engineering and technology principles.

Students can pursue bachelor's degrees in Engineering Technology and Construction Management on the Macomb campus. Those interested in Mechanical Engineering or Electrical Engineering may begin their studies in Macomb by completing foundational mathematics, science, and pre-engineering coursework, or transfer equivalent coursework from one of WIU's community college partners before completing the upper-division engineering curriculum at the Quad Cities campus. Both the Mechanical Engineering and Electrical Engineering programs are ABET accredited, reflecting the School's commitment to academic quality and nationally recognized professional standards.

Experiential learning is central to every program. Students learn in modern teaching laboratories, design and fabrication spaces, and construction and engineering facilities while working with industry-standard equipment and software. Faculty mentorship, project-based learning, internships, and partnerships with local, regional, and national employers provide opportunities to apply classroom knowledge to real-world challenges and develop the technical, professional, and leadership skills sought by today's workforce.

The School is committed to fostering critical thinking, creativity, collaboration, and lifelong learning, preparing graduates to adapt to emerging technologies, contribute to their professions, and continue growing throughout their careers.

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Program Offerings

- B.A. in English
- B.A. in Foreign Languages and Cultures
- B.A. in History
- Bachelor of Liberal Arts and Sciences (B.L.A.S.)
- Minor in African American Studies
- Minor in Creative Writing
- Minor in English
- Minor in Film
- Minor in French
- Minor in History
- Minor in Latinx Studies
- Minor in Middle Level Social Studies Teaching
- Minor in Philosophy
- Minor in Professional Writing
- Minor in Religious Studies
- Minor in Spanish
- Minor in Women's Studies

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The Humanities are the foundational disciplines of universities and are central to education. Humanities disciplines pose fundamental questions about what it means to be human, and emphasize interpretive methods to address how humans have interpreted their experiences, and the nature of truth. The School of Humanities offers the following humanities disciplines:

African American Studies

African American Studies is an interdisciplinary field that examines the history, culture, experiences, and contributions of African Americans in the United States and throughout the African diaspora. The discipline investigates race, racism, justice, equity, and diversity through topics of slavery, civil rights, racial identity, social justice, literature, politics, art, and community life. It highlights African American resilience, creativity, and intellectual traditions. As attention to diversity and inclusion becomes a central component of many careers and community activities, African American Studies students will be well-positioned to take on leadership roles in their careers, make significant contributions to community organizations, and work towards the transformation of civic and political life.

English

The study of English means to comprehend how the English language works, to gain understanding of diverse cultural heritages, and to contribute to the sustainability and success of our national and global societies. Students will develop expertise in reading and writing skills and use emerging digital technologies to study varieties of texts and to create new and essential works for the future. The study of English prepares graduates to perform successfully in graduate and professional schools and in many

career fields including education, publishing, the arts, business, law, non-profit, and government, where clear thinking and effective self-expression are sought after and valued. Students in the Literature and Language option take courses in literature, film, and creative and professional writing. Students in the Teacher Education option take courses to prepare for earning licensure in teaching English Education at the high school and middle school levels.

Foreign Languages and Literatures

The formal study of Spanish and/or French consists of courses in the target language as well as courses in the literatures and cultures of the countries where these languages are spoken. The study of language, culture, and literature prepares the student for advanced and graduate study in literature and/or language, and for the use of language in business and industry; government at the federal, state, or local level; law enforcement; libraries and museums; parks and recreation; social services and health-related fields; transportation and tourism; and numerous other areas having a multicultural clientele. Students completing the Teacher Education option develop pedagogical skills and proficiency in Spanish and/or French, which lead to licensure to teach the language at the K–12 level.

History

As the cornerstone of a liberal arts education, the study of History provides perspective on present-day problems and helps us to understand past cultures and society. As an academic discipline, its mastery requires recognition of the uniqueness of as well as patterns in past human experiences. The study of History prepares students to become informed citizens, capable of thinking critically about the past and its relevance to the present. This discipline helps students develop the analytical, research, and communication skills necessary to excel in careers in teaching, law, business, public history, and public service, as well as in graduate school. Students in the Teacher Education option graduate with state licensure to teach history and other social studies subjects at the high school and middle school levels.

Liberal Arts and Sciences

The Liberal Arts and Sciences discipline is multidisciplinary. Its study embodies the spirit of a liberal arts education, emphasizing comparative critical thinking, communication, and a broad range of methodologies and applied problem-solving skills. Students pursuing a Liberal Arts and Sciences education do so in either the African American Studies option or the Paired Minors option. The latter requires students to complete two approved minors as their multidisciplinary major. Both options prepare students for a variety of lifelong careers that value adaptability, flexibility, and innovation.

Philosophy

Philosophy, literally *love of wisdom*, is the study of the intellectual foundations of every area of human thought and action. Philosophers engage in critical examination of such topics as existence, knowledge, values, religion, science, language, mind, logic, and reasoning. Studying philosophy develops analytic reasoning, promotes clear writing, and provides students with the tools for success in many other professions, such as law, finance, business, public relations, journalism, consulting, and public policy making.

Religious Studies

Religious Studies is the cross-cultural, interdisciplinary study of the different religions of the world and the phenomenon of religion itself, without promoting or rejecting particular beliefs. Religious Studies encompass beliefs, practices, texts, institutions, histories, and communities across cultures and time. Students will use methods from history, anthropology, sociology, philosophy, psychology, and cultural studies to understand how religion shapes individuals, societies, values, traditions, and politics. Religion plays a major role in determining how human beings define themselves, articulate their values, and relate to other people. Study of religion thus equips students as global citizens, conversant in the language, symbols, rituals, and beliefs of the world's great religions.

Women's Studies

Women's Studies is the interdisciplinary examination of the experiences, contributions, and representation of women across history and cultures. Through perspectives of history, sociology, literature, politics, economics, and cultural studies, the discipline explores identity, inequality, political power, and social structures from the perspective of how sexual orientation and gender identity contribute to our experiences and roles in the world. The need for feminist scholars and activists is culturally important. Work in Women's Studies allows students to bring critical thinking and an understanding of women's lived experiences to career fields including law enforcement, social work, political science, psychology, sociology, fine arts, non-profit administration, nursing, and business.

Proficiency Examinations

Freshmen who have been in accelerated programs in high school or transfer students from other institutions of higher education may request permission to take a proficiency examination for English 180 or 280. The examinations will be given by the second week of each semester. A student will receive 3 s.h. of credit upon passing the examination. Direct inquiries to the Writing Program Director, 124 Simpkins Hall.

Dual Program

The School of Humanities offers a dual program in Law for English and History majors. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Pre-Professional Program

The School of Humanities offers a Pre-Law option for History majors. This option supports the pre-professional program in Law. Please see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

School of Law Enforcement and Justice Administration

Director: Dr. Jamie L. Johnson
Office: Stipes Hall 403
Telephone: (309) 298-1038
Email: *LEJA@wiu.edu*
Website: *wiu.ed/LEJA*

Program Offerings

- B.S. in Emergency Management
- B.S. in Fire Protection Services
- B.S. in Law Enforcement and Justice Administration
- Minor in Corrections
- Minor in Criminalistics
- Minor in Emergency Management
- Minor in Emergency Management—Operational
- Minor in Emergency Management—Tactical
- Minor in Fire Administration
- Minor in Fire Science
- Minor in Homeland Security
- Minor in Law Enforcement and Justice Administration
- Minor in Legal Studies
- Minor in Security Administration

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Law Enforcement and Justice Administration remains one of the nation's premier public safety programs because of its commitment to academic excellence and experiential learning. For more than 50 years, the School of Law Enforcement and Justice Administration (LEJA) at Western Illinois University has prepared the next generation of public safety professionals through innovative education, practical training, and leadership development. Offering undergraduate degrees in Emergency Management, Fire Protection Services, and Law Enforcement and Justice Administration, the School curriculum combines leadership, research, ethics, law, emergency management, policing, fire administration, security management, restorative justice, civil liability, and organizational leadership into seamless, relevant, challenging, and workforce-ready programs of study. These degree programs provide students with a focused education that enhances leadership, operational effectiveness, and professional development within today's public safety organizations.

Students enrolled in academic programs housed in the School of Law Enforcement and Justice Administration will benefit from participating in one of the most innovative experiential learning opportunities available in higher education. Students from different academic years work together, creating mentoring relationships that strengthen both academic success and personal development. Students receive hands-on training in WIU's state-of-the-art Emergency Operations Center (EOC), as well as the School's recently renovated crime lab. Students also benefit from numerous internship and apprenticeship opportunities with public safety agencies throughout their academic programs.

Today's public safety professionals must be prepared to solve complex problems, lead diverse teams, communicate effectively, and respond confidently under pressure. The undergraduate degree programs housed within the School of Law Enforcement and Justice Administration at Western Illinois University delivers on those needs, providing graduates with practical experience, leadership skills, professional connections, and the confidence to succeed in careers that make a difference.

Pre-Professional Program

The School of Law Enforcement and Justice Administration offers the minor in Legal Studies, which supports the pre-professional program in Law. Please see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

School of Natural Sciences

Director: Dr. Samuel K. Thompson
Office: Currens Hall 400
Telephone: (309) 298-1648
Fax: (309) 298-3003
Email: *biology@wiu.edu, Chemistry@wiu.edu, eagis@wiu.edu, Physics@wiu.edu*
Website: *wiu.edu/biology, wiu.edu/chemistry, wiu.edu/eagis, wiu.edu/physics*

Program Offerings

- B.S. in Biology
- B.S. in Chemistry
- B.S. in Clinical Laboratory Science
- B.S. in Forensic Chemistry
- B.S. in Geographic Information Science
- B.S. in Meteorology
- B.S. in Physics
- Minor in Botany
- Minor in Chemistry
- Minor in Conceptual Physics
- Minor in Forensic Chemistry
- Minor in Forensic Science
- Minor in Geographic Information Systems
- Minor in Geography
- Minor in Microbiology
- Minor in Middle Level Science Teaching
- Minor in Physics
- Minor in Weather and Climate
- Minor in Zoology

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The natural sciences seek to understand the world using observational and experimental techniques. The School of Natural Sciences offers the following disciplines:

Biological Sciences

Biology is one of the most basic fields of science with direct application to humans. Our continued existence on planet Earth depends in large part on how we resolve problems of a biological nature. Biology is a broadly based discipline encompassing a variety of subjects ranging from medicine to ecology. The Biological Sciences program at WIU is designed to provide students with a broad exposure to the various areas of Biology. Students may select courses from Biology, Botany, Clinical Laboratory Science, Microbiology, and Zoology.

Training in the biological sciences prepares one for a broad spectrum of job opportunities, including teaching, governmental or industrial laboratories, conservation agencies, or business. In addition, students become qualified to pursue graduate studies in any of several areas of study within the biological sciences and the health professions.

Chemistry

Chemistry is the science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. It is the basis of the technology of the large-scale production of chemicals and chemical materials that are useful to modern society. The study of Chemistry helps people understand the physical world and its workings.

Earth Sciences

Earth science is the scientific study of the Earth and its natural systems, encompassing the solid planet, its oceans, the atmosphere, and its surrounding universe. It integrates Physics, Chemistry, Biology, Mathematics, and geospatial science to understand how Earth's complex systems interact and evolve.

The science of **Meteorology** involves studying the atmosphere by applying principles of Physics, Chemistry, and fluid dynamics to examine how variables like temperature, air pressure, moisture, and wind gradients interact to shape Earth's weather systems.

Geographic Information Science studies the nature of geographic information, spatial data, and the technologies used to capture, store, analyze, and visualize them. It bridges Geography, Computer Science, Statistics, Engineering, and related fields to solve complex spatial problems.

Physics

The science of Physics explores the basic properties of matter, energy, and their mutual interactions. Using precise experimental measurements, physicists formulate laws which describe the observed behavior of the physical world.

Proficiency Examinations

Students may take proficiency examinations for credit in BIOL 100, 101; BOT 200; and ZOOL 200. These examinations are prepared by Biological Sciences faculty members, and are generally administered during the first week of the semester. Students must register to take exams beforehand with the Biological Sciences secretary [Waggoner Hall 372, telephone (309) 298-1546]. Biological Sciences will also grant credit for Biology proficiency examinations administered by The College Board; AP (Advanced Placement) score ≥ 3, credit = BOT 200 & ZOOL 200; CLEP (College-Level Examination Program) score ≥ 50, credit = BIOL 100; CLEP score ≥ 60, credit = BOT 200 & ZOOL 200. Credit is given for the general Biology course(s) for which a satisfactory examination score has been achieved, and the student may enroll in courses for which the course in question is a prerequisite.

Certification by the American Chemical Society

Western Illinois University is approved by the American Chemical Society for undergraduate professional training in Chemistry and Biochemistry. Students who are pursuing the B.S.in Chemistry may qualify for certification by completing the following coursework:

Certification in Chemistry

1. CHEM 201, 202, 331, 332, 333, 341, 374, 375, 401, 416, 421, and 442
2. CHEM 409, 418, 422, or 453
3. Elect one course from CHEM 485, 490, or 491
4. PHYS 211 and 212

Certification in Biochemistry

1. CHEM 201, 202, 331, 332, 333, 341, 374, 375, 401, 416, 421, 422, 425, 442, 485/490/491
2. PHYS 211 and 212

Recommended High School Subjects for Students Planning to Major in Chemistry

1. English: four years
2. Mathematics: four years
3. Chemistry: one year
4. Physics: one year

The First-Year Course in Chemistry

1. Students requiring two or more years of Chemistry should take CHEM 201 and 202.
2. Students requiring only one year of Chemistry or Forensic Science minor should take CHEM 101 and 102.

Dual Programs

The School of Natural Sciences offers dual programs in Clinical Laboratory Science and Engineering. Please see the Dual Programs section of this catalog (p. 223) for additional information.

Pre-Professional Programs

The School of Natural Sciences offers pre-professional programs in Engineering and Health. Please see the Pre-Professional Programs section of this catalog (pp. 232, 233) for additional information.

School of Nursing, Applied Health, and Human Performance

Director: Dr. Patricia K. Eathington
Office: Currens Hall 510
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Website: *wiu.edu/cas/nursing, wiu.edu/coehs/healthwellness*

Program Offerings

- B.S. in Exercise Science
- Bachelor of Science in Nursing (B.S.N.)
- B.S. in Nutrition and Dietetics
- B.S. in Nutrition and Foodservice Management
- B.S. in Public Health
- Minor in Coaching
- Minor in Nutrition

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Nursing, Applied Health, and Human Performance at Western Illinois University prepares students to improve the health, well-being, and quality of life of individuals and communities. Bringing together Nursing, Public Health, Nutrition and Dietetics, and Exercise Science, the School provides an interdisciplinary learning environment focused on health across the lifespan through prevention, clinical care, education, nutrition, physical activity, health promotion, and evidence-based practice. Together, these disciplines prepare graduates for careers spanning clinical care, public and community health, nutrition, foodservice, wellness, exercise and human performance, and related health professions.

The School's provisional mission is to advance health and well-being across the lifespan by improving population health outcomes through prevention, clinical care, education, exercise, nutrition, and evidence-based practice. This shared commitment encourages collaboration across disciplines while preserving the distinct professional identities, missions, and accreditation requirements of individual programs.

Experiential Learning and Professional Preparation

Hands-on learning is central to the student experience. Students connect classroom knowledge with professional practice through clinical experiences, practicums, laboratories, simulation, internships, service learning, and community-based projects. Clinical and practicum experiences occur in hospitals, schools, health departments, healthcare organizations, and community agencies, allowing students to learn in real-world environments while working alongside professionals.

Students in several majors also complete internships throughout Illinois. Faculty assist students in identifying internship opportunities that align with their interests and career goals and provide mentorship as students transition from academic preparation to professional practice. These experiences help students develop professional skills, build relationships with employers and community partners, and explore career opportunities before graduation.

Students learn from faculty with expertise in the disciplines and professional areas they teach. Faculty bring academic preparation, scholarship, professional knowledge, and applied experience into classrooms, laboratories, clinical settings, and community experiences. Faculty mentorship extends beyond coursework as students pursue clinical experiences, practicums, internships, professional credentials, graduate education, and career opportunities.

The School also provides specialized learning environments and equipment that support clinical, scientific, and professional skill development. Through simulation, laboratories, and applied learning experiences, students develop critical thinking, communication, teamwork, assessment, and problem-solving skills while connecting theory with professional practice.

Quality and Professional Preparation

The School is committed to academic excellence and preparing students for professional practice. The Bachelor of Science in Nursing (B.S.N.) program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Illinois Department of Financial and Professional Regulation. Nursing education includes a pre-nursing pathway followed by competitive admission to the professional pre-licensure nursing program. Graduates earn the Bachelor of Science in Nursing and are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). Upon meeting state licensure requirements, including successful completion of the NCLEX-RN, graduates may enter professional practice as registered nurses.

The B.S. in Nutrition and Dietetics program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Students studying nutrition develop a broad range of skills in nutrition science, food and nutrition services, health promotion, and the relationship between nutrition and health. Depending on their program and professional goals, graduates are prepared to pursue careers in nutrition-related fields, advanced education, and pathways toward applicable professional credentials.

Across the School, students are prepared for graduate education, professional practice, and relevant licensure and certification pathways. The interdisciplinary structure creates opportunities for students and faculty to collaborate across fields and understand the complex factors influencing health. Contemporary challenges such as chronic disease, aging populations, health disparities, healthcare access, and workforce shortages require professionals who recognize the connections among clinical care, nutrition, physical activity, prevention, education, and population health.

Community Engagement, Rural Health, and Workforce Impact

Community engagement is an important part of the School's identity. Partnerships with hospitals, healthcare organizations, public health departments, schools, community agencies, and other organizations extend learning beyond the University. Through clinical experiences, practicums, internships, service learning, health education, outreach, and wellness initiatives, students apply their knowledge while contributing to the health and well-being of the communities they serve.

Located in west-central Illinois, the School is particularly positioned to address rural health and workforce needs. Rural communities face distinct challenges related to healthcare access, workforce shortages, chronic disease, aging populations, transportation, and access to preventive and wellness services. Through education, experiential learning, community partnerships, scholarship, and workforce development, the School prepares professionals who can strengthen healthcare and health-related services in rural Illinois and beyond.

The School of Nursing, Applied Health, and Human Performance reflects Western Illinois University's commitment to academic excellence, educational opportunity, personal growth, and social responsibility. Through expert faculty, individualized mentorship, hands-on learning, interdisciplinary education, and strong community partnerships, students are prepared to become knowledgeable professionals and leaders who improve health, enhance human performance, and strengthen the communities they serve.

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Website: *wiu.edu/cas/sociology_and_anthropology/anthropology.php, wiu.edu/cas/political_science/, wiu.edu/cas/psychology/, wiu.edu/cas/sociology_and_anthropology/sociology.php*

Program Offerings

- B.A. in Anthropology
- B.A. in Political Science
- B.S. in Psychology
- B.A. in Sociology
- Minor in Anthropology
- Minor in Forensic Psychology
- Minor in Global Politics
- Minor in Mental Health
- Minor in Political Science
- Minor in Psychology
- Minor in Public Administration and Public Service
- Minor in Sociology

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

Social scientists use scientific methods to study human behavior, culture, society, politics, and other human interactions. Social scientists search for predictable patterns in human relations and behavior. The study of Social Sciences is a useful accompaniment to majors in Health, Social Work, Agriculture, Family and Consumer Sciences, the Social Sciences, and Education. The School of Social Sciences offers the following disciplines:

Anthropology

Studying Anthropology provides students with skills to think holistically about human behavior, diversity, and social problems through the combination of human biology, cultural analysis, linguistics, and study of past societies. Anthropology students will gain a broad understanding of human biological and cultural diversity and acquire skills to successfully navigate the rapidly changing global environment. Anthropology curriculum enables an opportunity to apply anthropological research to environmental and community-based practical learning experiences. The study of Anthropology prepares students interested in a range of professional fields such as law, social work, international economic development, business, public administration, health care, forensic science, human rights advocacy, and other human service professions. Local schools, the National Park Service, consultants, and museums also offer employment opportunities for these students. Anthropology students are also presented with a theoretical and practical foundation for graduate studies in Anthropology and Archaeology.

Political Science

Political Science is both an ancient discipline and one of the most recent social sciences. Political scientists study political institutions, the political behavior of individuals and groups, the formulation and execution of public policy, the relations among states, and also enduring moral issues, such as what is justice and how leaders should be chosen. Studying Political Science prepares students for careers in government at all

levels, including elected office. It also provides pathways for students interested in policy work in the non-profit sector, campaign management, or with a variety of Non-Governmental Organizations. Political Science is one of the most popular majors for students interested in attending law school.

Psychology

Psychology is a scholarly and scientific discipline which attempts to understand and explain human behavior, and it is an applied profession which attempts to solve psychological problems and fulfill human potential. Psychology majors therefore acquire knowledge about the principles of human behavior and skill in the application of these principles.

Students seeking to understand why people behave and think as they do should consider a major or minor in Psychology. The study of Psychology prepares students for a wide range of careers in such areas as clinical services, counseling, business, industry, health care, testing, education, and behavioral research. It also prepares students for advancement to graduate studies or enrollment in professional schools.

Sociology

Sociology is the study of human societies, their structure, and the ways individuals and groups relate to one another. Sociological knowledge is vital to the understanding of contemporary issues and topics such as poverty, race and gender relations, crime, delinquency, deviance, mental illness, urban growth and decay, marriage and family life, behavior in bureaucracies, and the organization and delivery of human services.

Dual Program

The School of Social Sciences offers a dual program in Law for Political Science majors. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Pre-Professional Program

The School of Social Sciences offers a Pre-Law option for Political Science majors. This option supports the pre-professional program in Law. Please see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

Director: Prof. Tammy L. Killian
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Fax: (309) 298-2605, (309) 298-2695
Email: *Art@wiu.edu, music@wiu.edu, Theatre@wiu.edu*
Website: *wiu.edu/art, wiu.edu/music, wiu.edu/theatre*

Program Offerings

- B.A. in Art
- B.F.A. in Art
- Bachelor of Music (B.M.)
- B.F.A. in Musical Theatre
- B.A. in Theatre
- Minor in Art History
- Minor in Art Studio
- Minor in Dance
- Minor in Graphic Design
- Minor in Jazz Studies
- Minor in Music
- Minor in Music Business
- Minor in Stage Combat
- Minor in Theatre

For student learning outcomes, please see *wiu.edu/provost/learningoutcomes*.

School Information

The School of Visual and Performing Arts provides high-quality educational programs to a diverse student population. Students will comprehend the complexity of visual and performing arts through the study of their aesthetics, creativity, history, theories, and applications. From the time of entry to graduation, students are continually made aware of their progress through assessment strategies. The School of Visual and Performing Arts includes programs in Art and Design, Music, and Theater and Dance.

Western Illinois University is an accredited institutional member of the **National Association of Schools of Art and Design (NASAD)**. Students must complete at least 50% of their art courses at WIU to graduate as Art majors.

Western Illinois University has been an accredited member of the **National Association of Schools of Music (NASM)** since 1961 and offers study in Applied Music (performance, jazz, composition), Music Business, Music Therapy, and Music Teacher Education. Students may elect to study in keyboard, voice, winds, strings, and percussion, as well as specialized study in jazz and composition. Certification as a music therapist is available through the Certification Board for Music Therapists (CBMT). All majors and minors (except Music Business minor) must pass entrance performance auditions.

International students seeking admission into the School of Music must have the following scores in English proficiency tests: IBT TOEFL 79 or paper TOEFL 550 or IELTS 6.5.

Western Illinois University is also proud to be accredited by the **National Association of Schools of Theatre (NAST)**, demonstrating our commitment to excellence in education, artistic practice, and the preparation of students for successful careers in the performing arts.

Academic Degree Programs

Degree Programs 117–221

Course descriptions begin on page 274.

Accountancy (B.B.)
Agriculture (B.S.)
Anthropology (B.A.)
Applied Economics (B.A.)
Art (B.A.)
Art (B.F.A.)
Biology (B.S.)
Broadcasting and Journalism (B.A.)
Business Administration (B.B.)
Chemistry (B.S.)
Clinical Laboratory Science (B.S.)
Communication (B.A.)
Computer Science (B.S.)
Construction Management (B.S.)
Cybersecurity (B.S.)
Educational Studies (B.S.Ed.)
Electrical Engineering (B.S.)
Elementary Education (B.S.Ed.)
Emergency Management (B.S.)
Engineering Technology (B.S.)
English (B.A.)
Exercise Science (B.S.)
Fire Protection Services (B.S.)
Foreign Languages and Cultures (B.A.)
Forensic Chemistry (B.S.)
General Studies (B.A.)
Geographic Information Science (B.S.)
History (B.A.)
Information Systems (B.S.)
Law Enforcement and Justice Administration (B.S.)
Liberal Arts and Sciences (B.L.A.S.)
Mathematics (B.S.)
Mechanical Engineering (B.S.)
Meteorology (B.S.)
Middle Level Education (B.S.Ed.)
Music (B.M.)
Musical Theatre (B.F.A.)
Nursing (B.S.N.)
Nutrition and Dietetics (B.S.)
Nutrition and Foodservice Management (B.S.)
Physical Education (B.S.)
Physics (B.S.)
Political Science (B.A.)
Psychology (B.S.)
Public Health (B.S.)
Public Relations (B.A.)
Recreation, Sport, and Tourism Administration (B.S.)
Social Work (B.S.W.)
Sociology (B.A.)
Special Education (B.S.Ed.)
Speech Pathology and Audiology (B.S.)
Theatre (B.A.)

Degree: Bachelor of Business
Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): Master of Accountancy, Master of Business Administration (see page 57)

Program Faculty

Chakravorti, Dhingra, Fang, Feld, Gray, Gupta, Hunt, Koo, Lee, Lin, Lu, Ludlum, Melkumian, Pryor, Sadler, Shamsuddoha, Shike, Stewart, Tam, Valeva, Westen, Yan, Yang, Yoon, Zimmerman.

Program Description

The **B.B. in Accountancy** will prepare students for the new challenges and greater opportunities that the accounting profession offers today. The degree program provides students with the accounting and communication skills they will need to succeed. Working with advanced computer software, writing reports and papers, and presenting individual and team projects are all included in the program of study.

Students enrolled in the Accountancy program are well prepared to sit for a variety of certification exams, including the CMA, CFE, CPA, or Enrolled Agent examinations.

The State of Illinois requires candidates for the Certified Public Accountant (CPA) license to have completed a bachelor's degree and 150 semester hours of education. The Accountancy programs at WIU provide an opportunity to obtain an additional 30 hours beyond the Bachelor of Business in Accountancy through the Master of Business Administration (MBA) with a concentration in Accountancy or a related discipline.

Degree Requirements

All students seeking the Bachelor of Business in Accountancy must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Pre-Accountancy students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, p. 80) and may be removed from business courses.

Note: *Students enrolled in this major may not minor in Pre-MBA.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include ECON 231, 232; MATH 123; STAT 171; and either PSY 100 or SOC 100)

II. Core Courses..... 57 s.h.
- A. Business Core..... 21 s.h.
  ACCT 201, 202; BAT 190, 490; DS 303; FIN 331; MGT 349, 490; MKTG 327
- B. Discipline Core..... 36 s.h.
  ACCT 341, 342, 343, 441, 442, 451, 452, 460, 470, 477, 480, 499; B L 432

III. Directed Electives..... 3 s.h.
Approved experiential learning opportunity
Note: *3 s.h. of ACCT 420 may be used to satisfy this requirement.*

IV. Open Electives..... 5 s.h.

V. Other.....18 s.h.
BCOM 320†; CS 114, 301; DS 421; ECON 381; IS 340

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; or 2) any course designated as Multicultural (including ACCT 343).

† BCOM 320 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Other Requirements

Transfer students must complete at least 50% of their accounting courses at WIU to graduate as Accountancy majors.

Degree: Bachelor of Science
Offered by: School of Agriculture
Location(s): Macomb
GradTrac: Agricultural Business and Agricultural Science options (see page 75)
Integrated Degree Program(s): Master of Business Administration (see page 57)

Program Faculty

Andrango, Atherton, Bacon, Gruver, Hoge, Ingles, Perez-Hernandez, Phippen, Trennepohl.

Program Description

The WIU School of Agriculture offers a Bachelor of Science in Agriculture with options in Agricultural Business (agribusiness), Agriculture Science, and Agriculture–Teacher Education, along with eight minors. Students gain hands-on experience through coursework, faculty-led research, University farms, precision agriculture laboratories, and industry field experiences beginning in their first semester. The School supports learning with small class sizes, 13 student organizations, nationally competitive judging teams, and annual career and networking events. Students graduate with practical experience, professional connections, and preparation for careers or graduate study across the agricultural industry.

Pre-Professional Program

A pre-professional program in Veterinary Medicine is available. Please see the Pre-Professional Programs section of this catalog (p. 235) for additional information.

Degree Requirements

All students seeking the Bachelor of Science in Agriculture must complete I, II, and III.A, III.B, or III.C below, and the Multicultural Perspectives requirement for the major#. Students majoring in Agriculture may choose one of three options—Agricultural Business, Agricultural Science, or Agriculture—Teacher Education. Within each option, a student may choose an area of technical competency or specialization. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A maximum of 6 s.h. of unstructured classes (AGRI 200, 301, 400, 481, 499) may be counted in the major. A minimum of 24 s.h. of Agriculture classes must be taken at WIU or other four-year institutions. A maximum of 29 s.h. may be taken in coursework which would be considered part of a major or minor in traditional business disciplines (Accountancy, Business Law, Business and Technology, Decision Sciences, Finance, Human Resource Management, Management, Marketing, Operations Management, and Supply Chain Management). Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....16 s.h.
AGRI 120, 220, 320, 340†, 420; AGRN 176; ANSC 112

III. Options of Study (select A, B, or C)
- A. Agricultural Business
  1. Special Courses: AGEC 333, 342, and 349 ..... 10 s.h.
  2. Agriculture Electives^
     - a. Select one of the following courses: ..... 3–4 s.h.
       1) AGTM 207
       2) AGTM 250
       3) AGRN 278
     - b. Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor ..... 20–21 s.h.
  3. Other Requirements*
     - a. ACCT 201, 202 ..... 6 s.h.
     - b. AGEC 443, FIN 311, FIN 331, or FIN 401 ..... 3 s.h.
     - c. ECON 231, 232 ..... 6 s.h.
     - d. MATH 123 or higher level ..... 3 s.h.
     - e. MATH 137 or STAT 171 ..... 3 s.h.
     - f. Select one course from the following: ..... 4 s.h.
       BOT 200; CHEM 101; GEOG 121; GEOL 110; METR 120; PHYS 114, 115, 211; ZOOL 200
  4. Open Electives ..... 24 s.h.
- B. Agricultural Science
  1. Agriculture Electives^
     - a. Select one course from two of the following four groups: ..... 6–8 s.h.
       1) AGTM 207 or 250
       2) AGRI 376
       3) AGRN 278
       4) AGEC 333 or AGEC 349
     - b. Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor. Up to 14 s.h. may come from the following: BIOL 330, 340; CHEM 331, 332, 421; MICR 400, 405, 434, 460; PHYS 124, 125; ZOOL 320, 321, 330, 331, 430, 460 ..... 28–30 s.h.
  2. Other Requirements&
     - a. MATH 102, 113, 123, or higher level, or STAT 171 ..... 3 s.h.
     - b. Select three courses from the following group (must include one course in Biology and one in Chemistry): ..... 12 s.h.
       BOT 200; CHEM 101, 102, 201, 202; GEOG 121; GEOL 110; GIS 108; METR 120; MICR 200; PHYS 114, 115, 211; ZOOL 200
  3. Open Electives ..... 26 s.h.
- C. Agriculture—Teacher Education
  1. Special Courses: AGED 131, 330, and 331 ..... 7 s.h.
  2. Agriculture Electives^
     - a. AGTM 250 or AGRN 278 ..... 3–4 s.h.
     - b. AGEC 333 or 349; AGTM 360 or 368; AGRN 373, 377, or 378; ANSC 310, 319, or 322 ..... 12–16 s.h.
     - c. Additional courses from the School of Agriculture to be selected in consultation with the student's academic advisor ..... 5–10 s.h.
  3. Other Requirements@
     - a. BOT 200 or ZOOL 200 ..... 4 s.h.
     - b. CHEM 101 or 201 ..... 4 s.h.
     - c. HIST 105 or 106 ..... 3 s.h.
     - d. MATH 102, 123, or higher level, or STAT 171 ..... 3 s.h.
     - e. POLS 122 ..... 3 s.h.

f. Select one additional course from the following: ..... 4 s.h.
BOT 200; CHEM 102, 202; GEOG 121; GEOL 110; GIS 108; METR 120; MICR 200; PHYS 114, 115, 211; ZOOL 200

4. Professional Education
   a. AGED/EDUC 439 ..... 3 s.h.
   b. EDS 202, 301, 305, 401 ..... 10 s.h.
   c. SPED 390 ..... 3 s.h.
   d. ENG 366 or LA 387 ..... 2 s.h.
   e. STCH 480 ..... 12 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† AGRI 340 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

^ Students must meet the following minimum s.h. in the major (Core, Special Courses, and Directed Electives): Agricultural Business option, 50 s.h.; Agricultural Science option, 52 s.h.; Teacher Education option, 48 s.h.

* 16 s.h. may count toward the University General Education requirement.

& 10 s.h. may count toward the University General Education requirement.

@ 16 s.h. may count toward the University General Education requirement.

Anthropology (B.A.)

Degree: Bachelor of Arts
Offered by: School of Social Sciences
Location(s): Macomb, Online (see [Δ] note below)
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Museum Studies (see page 57)

Program Faculty

Alveshere, Davis, Gblerkpor, McIlvaine-Newsad.

Program Description

The **B.A in Anthropology** provides students with skills to think holistically about human behavior, diversity, and social problems through the combination of human biology, cultural analysis, linguistics, and study of past societies. Graduates from this program will gain a broad understanding of human biological and cultural diversity and acquire skills to successfully navigate the rapidly changing global environment. The curriculum of this program enables an opportunity to apply anthropological research to environmental and community-based practical learning experiences. This program prepares students interested in a range of professional fields such as law, social work, international economic development, business, public administration, health care, forensic science, human rights advocacy, and other human service professions. Local schools, the National Park Service, consultants, and museums also offer employment opportunities for these students. The Anthropology program also presents a theoretical and practical foundation for graduate studies in Anthropology and Archaeology.

Degree Requirements[Δ]

All students seeking the Bachelor of Arts in Anthropology must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 12 s.h.
ANTH 110, 111, 380, 419†

III. Directed Electives ..... 21 s.h.
- A. Complete one of the following ..... 3 s.h.
  ANTH 201 or 249
- B Complete one of the following ..... 3 s.h.
  ANTH 305, 310, 424, or 426
- C. Complete at least 15 s.h. of Anthropology coursework (with at least two upper-division [300 level or higher] courses) ..... 15 s.h.

IV. Any Minor ..... 16 s.h.

V. Open Electives ..... 34 s.h.

[Δ] This major is available online with the selection of designated courses. Please contact advisor for details.

\# The Multicultural Perspectives graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural Perspectives [see p. 62]; or 3) an approved study abroad program.

† ANTH 419 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Arts
Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
GradTrac: See page 75

Program Faculty

Chakravorti, Dhingra, Fang, Feld, Gray, Gupta, Hunt, Koo, Lee, Lin, Lu, Ludlum, Melkumian, Pryor, Sadler, Shamsuddoha, Shike, Stewart, Tam, Valeva, Westen, Yan, Yang, Yoon, Zimmerman.

Program Description

The **B.A. in Applied Economics** is a policy-focused degree that provides students with the broader critical thinking skills found in traditional economic theory while still maintaining the flexibility to pursue complementary studies. Students in this program complete coursework in applied micro and macro theory, along with electives from a wide range of policy-focused courses. Students in the B.A. are well prepared for a wide array of careers, including those in law, non-profit or politics, graduate study, or general management. This degree continues to rank as one of the best degrees to prepare students for the LSAT and future success in Law School.

Economics holds a unique position in the academic curriculum. It is a quantitative social science offering a unique insight into the solution of many social problems. It is also essential to an understanding of the business world and has many practical applications in management and financial decision-making. Economics is a versatile discipline that uses social science methodologies to solve interesting social and business problems.

Degree Requirements

All students seeking the Bachelor of Arts in Applied Economics must complete I, II, III, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include MATH 123 and STAT 171)

II. Core Courses..... 27 s.h.
BAT 190; ECON 231*, 232*, 351†, 381, 409, 440, 471, 497; FIN 331, 341

III. Directed Electives..... 9 s.h.
Select 9 s.h. of upper-division Economics (ECON), CS/IS, or Business electives, or electives from other Schools as approved by School Director

IV. Other Requirements..... 6 s.h.
A. CS 101 or ACCT 201..... 3 s.h.
B. CS 301..... 3 s.h.

V. Any Minor..... 16 s.h.

VI. Open Electives..... 25 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a Multicultural Perspectives course; or 3) an approved Study Abroad program.

* 6 s.h. may count toward the University General Education requirement.

† ECON 351 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Art (B.A.)

Degree: Bachelor of Arts
Offered by: School of Visual and Performing Arts
Location(s): Macomb
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Museum Studies (see page 57)

Program Faculty

Czechowski, Holz, Ku, Lindquist, McArthur, Myers, Oursler, Shelly, Waldrop.

Program Description

The **Bachelor of Arts** degree is a broad, well-rounded liberal arts degree. The **Art Studio option** allows the program to be tailored to fit a student's individual needs by offering a variety of intensive studio tracks including ceramics, drawing, metals/jewelry, painting, printmaking, and sculpture. The **Graphic Design option** focuses on the development of the necessary design skills and aesthetics and also allows students the opportunity to explore other areas of interest.

Degree Requirements

All students seeking the Bachelor of Arts in Art must complete I, II, III, and IV.A or IV.B below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Art History, Art Studio, or Graphic Design.*

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses: ARTH 282*, 283*; ARTS 101, 102, 140, 240 ..... 18 s.h.

III. Special Course: Choose one of ARTH 392†, 393†, 394†, or 397† ..... 3 s.h.

IV. Options of Study (select A or B)

A. Art Studio
1. Option Courses: ARTS 115, 495 ..... 6 s.h.
2. Directed Electives ..... 27 s.h.
   a. Studio Electives: Studio 2-D and 3-D[1] ..... 24 s.h.
   b. Art History Elective[2] ..... 3 s.h.
3. Open Electives ..... 29 s.h.

B. Graphic Design
1. Option Courses: ARTS 115, 416 ..... 6 s.h.
2. Directed Electives ..... 27 s.h.
   a. Select 18 s.h. from the following courses:
      ARTS 215, 246, 314, 315, 316, 317, 318, 414, 415 ..... 18 s.h.
   b. Studio Electives: Studio 3-D[1] ..... 6 s.h.
   c. Art History Elective[2] ..... 3 s.h.
3. Open Electives ..... 29 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

* May count toward the University General Education requirement.

† ARTH 392, 393, 394, or 397 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

[1] At least 6 s.h. must be taken in Studio 3-D.

[2] Must be 300- or 400-level ARTH course(s)

Degree: Bachelor of Fine Arts
Offered by: School of Visual and Performing Arts
Location(s): Macomb
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Museum Studies (see page 57)

Program Faculty

Czechowski, Holz, Ku, Lindquist, McArthur, Myers, Oursler, Shelly, Waldrop.

Program Description

The **Bachelor of Fine Arts** degree is a comprehensive professional undergraduate degree that stresses high standards of performance. The **Art Studio option** provides students with opportunities to broaden their knowledge of art and to develop technical proficiency in chosen studio areas such as ceramics, drawing, metals/jewelry, painting, printmaking, or sculpture. The **Graphic Design option** focuses on developing creative problem-solving skills and a critical visual aesthetic that students need to succeed in the current design industry. The **Teacher Education option** provides students with an essential combination of coursework including art studio courses, art history courses, courses from the College of Education and Human Services, and courses in Art Education methods, theories, practices, and research. Students in the Teacher Education option will develop the pedagogical and artistic skills and the competencies needed to qualify them for employment in art programs teaching kindergarten through high school levels. The concentrated curricular structure of the B.F.A. allows students to integrate knowledge, experience, and technical skill as it prepares them for the intellectual and cultural world of art/design, for graduate study, or for careers in art education.

Admission

To enter the Bachelor of Fine Arts degree program in the Art Studio or Graphic Design option, students are required to pass an Entry Portfolio Review (ARTS 210). Students are eligible to submit their portfolio after completing the four studio foundation courses in the Art core (ARTS 101, 102, 140, 240). The Entry Portfolio Review is recommended for students who have earned 30 s.h. of credit. A grade point average of at least 2.50 in Art and a positive Entry Portfolio Review are required for admittance into the B.F.A. program.

Degree Requirements

All students seeking the Bachelor of Fine Arts in Art must complete I, II, III, and IV.A, IV.B, or IV.C below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

Note: *Students enrolled in this major may not minor in Art History, Art Studio, or Graphic Design.*

I. University General Education Requirements (p. 70) ..... 37 s.h.
Option C, Teacher Education, to include a General Education mathematics course

II. Core Courses: ARTH 282*, 283*; ARTS 101, 102, 140, 240, 241 ..... 21 s.h.

III. Special Course: Choose one of ARTH 392†, 393†, 394†, or 397† ..... 3 s.h.

IV. Options of Study (select A, B, or C)
- A. Art Studio
  - 1. Option Courses: ARTS 115, 210, 310, 410, 495 ..... 7 s.h.
  - 2. Directed Electives ..... 51 s.h.
    - a. Primary Studio Electives ..... 30 s.h.
    - b. Studio Electives: Studio 2-D and 3-D[1] ..... 15 s.h.
    - c. Art History Electives[2] ..... 6 s.h.
  - 3. Open Elective ..... 1 s.h.
- B. Graphic Design
  - 1. Option Courses: ARTS 115, 210, 310, 416 ..... 6 s.h.
  - 2. Directed Electives ..... 52 s.h.
    - a. Primary Studio Electives: Select 21 s.h. from the following courses:
      ARTS 215, 246, 314, 315, 316, 317, 318, 414, 415 ..... 21 s.h.
    - b. Secondary Studio Area ..... 15 s.h.
    - c. Studio Electives: Studio 2-D and 3-D[1] ..... 10 s.h.
    - d. Art History Electives[2] ..... 6 s.h.
  - 3. Open Elective ..... 1 s.h.
- C. Art—Teacher Education
  - 1. Option Courses ..... 18 s.h.
    ARTE 360, 361, 411, 437; ARTS 115, 246
  - 2. Directed Electives ..... 20 s.h.
    - a. Studio Electives[1] ..... 17 s.h.
    - b. Art History Elective[2] ..... 3 s.h.
  - 3. Other ..... 32 s.h.
    - a. EDUC 439 ..... 3 s.h.
    - b. EDS 202, 301, 304 (2 s.h.), 305, 401 ..... 12 s.h.
    - c. ENG 366 or LA 387 ..... 2 s.h.
    - d. SPED 390 ..... 3 s.h.
    - e. STCH 480, 482 ..... 12 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

* May count toward the University General Education requirement

† ARTH 392, 393, 394, or 397 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

[1] At least 6 s.h. must be taken in Studio 3-D.

[2] Must be 300- or 400-level ARTH course(s)

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Afitlhile, Chaudhary, Cooper, Engel, Holt, Hum, Jenkins, Musser, Nepal.

Program Description

The Bachelor of Science in Biology provides students with a broad foundation in the biological sciences, including cell and molecular biology, genetics, evolution, ecology, microbiology, plant biology, and animal biology. Through the selection of an option in Environmental Biology, Medical Sciences, Microbiology, Zoology, or Science/Biology Teacher Education, students can tailor the program to their academic and professional goals. Graduates are prepared for careers in education, healthcare, research, government, conservation, and industry, as well as graduate and professional study.

Pre-Professional Program

A pre-professional program in Health is available for Biology majors in the Medical Sciences option. Please see the Medical Sciences option for a detailed description of the requirements. Also see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

Degree Requirements

All students seeking the Bachelor of Science in Biology must complete I, II, and III.A, III.B, III.C, III.D, or III.E below, and the Multicultural Perspectives requirement for the major#. A grade of C (2.0) or better is required in introductory core courses (BOT 200, MICR 200, and ZOOL 200) before enrolling in courses for which they are prerequisites. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70)..... 37 s.h.

II. Core Courses..... 24 s.h.
BIOL 330, 340†, 350, 499; BOT 200; MICR 200; ZOOL 200

III. Options of Study (select A, B, C, D, or E)
  A. Microbiology
    1. Directed Electives..... 23 s.h.
      a. Select 17 s.h. from any 300- or 400-level BIOL or MICR courses..... 17 s.h.
      b. Select 6 s.h. from any 300- or 400-level BOT or ZOOL courses..... 6 s.h.
    2. Any Minor..... 16 s.h.
    3. Open Electives..... 4 s.h.

4. Other ..... 24 s.h.
   a. Chemistry including organic or biochemistry ..... 12 s.h.
      Select at least 12 s.h. as one of the following sequences:
      CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
   b. Complete at least 6 s.h. in the following: ..... 6 s.h.
      STAT 171 and either MATH 128 or 133
      or equivalents (see advisor)
   c. Select at least 6 s.h. in one of the following: ..... 6 s.h.
      1) Any two of GEOG 121, GIS 202, METR 120
      2) Any two of GEOL 110, 112, 113, 115
      3) One of the following sequences: PHYS 114, 115;
         PHYS 124, 125; PHYS 211, 212

B. Zoology
1. Directed Electives ..... 23 s.h.
   a. Select 17 s.h. from any 300- or 400-level BIOL or ZOOL
      courses ..... 17 s.h.
   b. Select 6 s.h. from any 300- or 400-level BIOL, BOT,
      MICR, or ZOOL courses not previously taken ..... 6 s.h.
2. Any Minor ..... 16 s.h.
3. Open Electives ..... 4 s.h.
4. Other ..... 24 s.h.
   a. Chemistry including organic or biochemistry ..... 12 s.h.
      Select at least 12 s.h. as one of the following sequences:
      CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
   b. Complete at least 6 s.h. in the following: ..... 6 s.h.
      STAT 171 and either MATH 128 or 133
      or equivalents (see advisor)
   c. Select at least 6 s.h. in one of the following: ..... 6 s.h.
      1) Any two of GEOG 121, GIS 202, METR 120
      2) Any two of GEOL 110, 112, 113, 115
      3) One of the following sequences: PHYS 114, 115;
         PHYS 124, 125; PHYS 211, 212

C. Medical Sciences (Pre-Health Professionals)
1. Directed Electives ..... 22 s.h.
   a. Select at least 7 s.h. from:
      BIOL 170; ZOOL 330 and 331, or ZOOL 321 and 430† ..... 7 s.h.
   b. Select at least 9 s.h. from:
      BIOL 477, 495; MICR 400, 405, 425, 434, 460, 463, 464;
      ZOOL 320, 321, 330, 331, 420, 430†, 432, 460, 461 ..... 9 s.h.
   c. Select at least 6 s.h. from:
      CHEM 263, 264, 425; EM 251, 252; HLTH 212, 250,
      251, 314, 325, 410 ..... 6 s.h.
2. Any Minor ..... 16 s.h.
3. Open Electives ..... 2 s.h.
4. Other ..... 27 s.h.
   a. CHEM 201, 202, and 330 or 331 ..... 13 s.h.
   b. MATH 133 or 137 ..... 3 s.h.
   c. STAT 171 ..... 3 s.h.
   d. PHYS 124 and 125 ..... 8 s.h.

D. Science/Biology—Teacher Education
1. Option Courses ..... 23 s.h.
   a. BIOL 381, 481, 482† ..... 7 s.h.
   b. CHEM 201, 202 ..... 8 s.h.
   c. PHYS 114 ..... 4 s.h.
   d. GEOL 110 ..... 4 s.h.

2. Directed Electives ..... 7 s.h.
   a. Select 3 s.h. from any upper-division BIOL, BOT, MICR, or ZOOL courses not previously taken ..... 3 s.h.
   b. BOT 430† or ZOOL 430† ..... 3 s.h.
   c. Science Elective ..... 1 s.h.
      Additional course in Biology (BIOL, BOT, MICR, ZOOL), Chemistry, Geography, Geology, GIS, Meteorology, or Physics
4. Other ..... 39 s.h.
   a. EDUC 239, 339, 439, 469 ..... 3 s.h.
   b. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
   c. MATH 128 or higher ..... 3 s.h.
      Not to include MATH 362, 364, or 367
   d. STAT 171 or equivalent (see advisor) ..... 3 s.h.
   e. ENG 366 ..... 2 s.h.
   f. SPED 390 ..... 3 s.h.
   g. STCH 480 ..... 12 s.h.

E. Environmental Biology
1. Directed Electives ..... 23 s.h.
   a. Select 20 s.h. from any 300- or 400-level BIOL, BOT, or ZOOL courses ..... 20 s.h.
   b. Select 3 s.h. from any 300- or 400-level MICR courses ..... 3 s.h.
2. Any Minor ..... 16 s.h.
3. Open Electives ..... 4 s.h.
4. Other ..... 24 s.h.
   a. Chemistry ..... 12 s.h.
      Including Organic Chemistry or Biochemistry
      Select at least 12 s.h. as one of the following sequences:
      CHEM 101, 102, 221 or CHEM 201, 202, 330 or 331
   b. Mathematics/Statistics ..... 6 s.h.
      Complete at least 6 s.h. in the following:
      STAT 171 and either MATH 128 or 133
      or equivalents (see advisor)
   c. Select at least 6 s.h. in one of the following: ..... 6 s.h.
      1) Any two of GEOG 121, GIS 202, METR 120
      2) Any two of GEOL 110, 112, 113, 115
      3) One of the following sequences: PHYS 114, 115; PHYS 124, 125; PHYS 211, 212

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† BIOL 340 fulfills the WID graduation requirement for the Environmental Biology, Medical Sciences, Microbiology, and Zoology options. BIOL 340, BIOL 482, and BOT 430 or ZOOL 430 fulfill the WID graduation requirement for the Science/Biology—Teacher Education option.

Broadcasting and Journalism (B.A.)

Degree: Bachelor of Arts
Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Averbeck, Gloviczki, Go, Jorgensen, Lauer, Miczo, Peters, Tang, Zhao.

Program Description

The **Broadcasting and Journalism – Multimedia News** emphasis focuses on the preparation of students for careers in all aspects of news production. Our students learn to tell stories and report information that will be distributed on multiple platforms. On our NEWS3 TV newscast, students learn to gather news, cover news events, edit news packages, and produce and direct half-hour live newscasts that reach Macomb and McDonough County viewers. Students will also learn to write for print and digital-based media as contributors to the *Western Courier* digital newspaper. There are opportunities to be reporters and anchors (news, weather and sports), as well as to produce and direct newscasts. Graduates from our program work in newsrooms across the country and around the world.

Broadcasting and Journalism – Sports Broadcasting students will gain skills and knowledge from unique on-air and behind-the-scenes opportunities. Our program utilizes a live sports truck to air multi-camera and single-camera live sports broadcasts on ESPN+. Our students announce, direct, and produce live events under the guidance of a faculty advisor, giving them valuable experience in front of and behind the camera as well as in the production truck. Audio broadcasts of home games are also carried live on WIUS-FM, and students break down the action even further on our sports variety show, *Leatherneck Insider*. Majors prepare to become well-rounded multimedia sports broadcasters, with experience in front of the camera; behind the microphone; in the production truck, radio station and TV studio; and from their laptops, editing, blogging and posting their work. Our graduates secure fulfilling careers both on-camera and behind the camera.

Degree Requirements

All students seeking the Bachelor of Arts in Broadcasting and Journalism must complete I, II, III.A or III.B, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 24 s.h.
BC&J 100, 101, 200†, 312, 315, 400†, 410; COMM 360

III. Emphases of Study (Select A or B) ..... 27 s.h.
- A. Multimedia News
  - 1. Emphasis Courses ..... 15 s.h.
    BC&J 325, 331, 332, 430, 432
  - 2. Directed Electives ..... 12 s.h.
    - a. Select 3 s.h. from BC&J 351, 352; COMM 381
    - b. Select three BC&J 300- or 400-level elective courses
- B. Sports Broadcasting
  - 1. Emphasis Courses ..... 15 s.h.
    BC&J 320, 321, 322, 420, 447

2. Directed Electives..... 12 s.h.
   a. Select 3 s.h. from BC&J 351, 352; COMM 381
   b. Select three BC&J 300- or 400-level elective courses

IV. Other.....18 s.h.
Elective courses (must be taken outside of the Broadcasting and Journalism discipline)

V. Open Electives.....14 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural (including a Broadcasting and Journalism [BC&J] Multicultural course); or 3) an approved Study Abroad program.

† BC&J 200 and 400 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Business Administration (B.B.)

Degree: Bachelor of Business
Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): Master of Business Administration (see page 57)

Program Faculty

Chakravorti, Dhingra, Fang, Feld, Gray, Gupta, Hunt, Koo, Lee, Lin, Lu, Ludlum, Melkumian, Pryor, Sadler, Shamsuddoha, Shike, Stewart, Tam, Valeva, Westen, Yan, Yang, Yoon, Zimmerman.

Program Description

The **B.B. in Business Administration** offers a strong foundation in management, finance, marketing, and business operations—skills essential in virtually every industry. The broader degree also allows students to increase the depth of their knowledge in one of seven business options: Business Analytics, Economics, Finance, Human Resource Management, Management, Marketing, or Supply Chain Management. These options allow students to tailor their education to align with their career goals and to enhance their employability while also preparing graduates for leadership roles, professional certifications, or graduate study. Whether launching a startup, managing a team, or analyzing financial or inventory data, a Business Administration degree provides the practical knowledge and versatility needed to thrive in today's dynamic global economy.

The B.B. in Business Administration is among a small handful of STEM-recognized business degrees. The STEM designation allows eligible graduates on student visas access to an Optional Practical Training (OPT) extension, up to 36 months, as compared to 12 months for non-STEM degrees. The formally declared options (described below) will appear on the student's transcript upon completion of the degree program:

Business Analytics option

The **Business Analytics option** brings together the technical skills of data mining, forecasting, visualization, and computer programming for solving the analytical problems of the contemporary business world. Students gain experience working with industry standard software including SAS, R, and Python's Statistical libraries. The program is designed for undergraduate students interested in working at the intersection of statistical analysis, computer programming, and business problems.

Economics option

The **Economics option** focuses upon helping students bring together traditional economic theories with modern analytics techniques to solve complex business problems. Students in this program are focused on preparing for careers as industry analysts or practicing business economists. Students complete a variety of courses including macroeconomics and measurement, price theory, economic problem solving, game theory, and international trade. Business Economics students are ready to help companies make data driven decisions in today's fast-changing economic climate.

Finance option

The **Finance option** develops the skills and knowledge necessary for the management of money. Finance is concerned with the process, institutions, markets, and instruments involved in the transfer of money among and between individuals,

businesses, and government. This all takes place in a world that is changing in a variety of directions, and the Finance major will learn how to make sound decisions in this constantly shifting environment. In addition to class lectures, students will learn from techniques such as computer simulation, case studies, and field trips. Students will also have the opportunity to learn from representatives of corporations and government agencies who visit as guest speakers. Required study areas for the Finance major include financial institutions, financial management, investment policy, insurance/risk management, and real estate. Additional studies may be taken in such courses as bank management, advanced financial management, security and portfolio analysis, personal and commercial lines of insurance, and real estate financing. Finance majors have excellent prospects for employment in financial institutions, brokerage or investment operations, and corporations or government agencies.

Human Resource Management option

Human Resource Management improves the effectiveness of people in organizations. The **Human Resource Management option** is designed to develop the professional skills needed for a successful career in any organization. In addition, students receive a solid base in other functional areas of an organization. Typical career areas are employment recruiting and staffing, training and development, industrial and labor relations, compensation and benefits, safety and health, and government compliance. Human Resource Management faculty strongly recommend that HRM majors engage in enrichment activities such as an internship, a Study Abroad program, or a minor.

Management option

The **Management option** emphasizes practical professional management skills, allowing students the flexibility to focus on such areas as organizational behavior/organization development, small business management, and operations management. Management is a diverse and applied field of study. Therefore, the objectives of the program include 1) preparing generalists who integrate and coordinate organizational activities of marketing, finance, accounting, operations, and human resources in order to meet organizational goals, and 2) preparing specialists who focus on management analysis, information systems, policy and strategic analysis, and the management of a single operation. Typical placements include general management, retailing management, hotel/motel management, and operations management positions in manufacturing and service organizations, computer-related occupations, high technology administration, organization development consulting, health care administration, government services, and non-profit organization administration. Management faculty strongly recommend that Management majors engage in an enrichment activity from among the following: an internship, a Study Abroad program, or a minor.

Marketing option

Marketing is the activity of developing products and services to satisfy customers' needs and then making them available at the right places, at the right times, and at competitive prices. Changes in social and economic systems have created new challenges for Marketing professionals. Increasingly, they must focus on both domestic and global opportunities in-step with ever-evolving technologies. They must also be continually responsive to cultural differences and ethical issues. The **Marketing option** offers students a broad-based education in a variety of marketing specialties including integrated marketing communications, marketing technologies, and sales management. When combined with the capstone course in marketing management, students are qualified to assume a variety of careers including personal selling (for consumer and industrial products), marketing research, public relations, advertising management, and retailing management.

Supply Chain Management option

Supply Chain Management (SCM) is a field that cuts across the functional lines of a company. SCM involves managing the internal and external components of a supply system including purchasing parts and supplies, arranging transportation, and managing inventory levels. SCM professionals work with marketing, operations, accounting, and finance to ensure that products/services are available to the company and the consumer when needed and to control costs. For the **Supply Chain Management option**, students take courses in logistics, transportation, international business, professional selling, negotiations, and purchasing. Employment opportunities in SCM are particularly attractive as graduates command above-average salaries.

Degree Requirements

All students seeking the Bachelor of Business in Business Administration must complete I, II, III.A or III.B or III.C or III.D or III.E or III.F or III.G, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Pre-Business Administration students who have earned 60 hours, but are ineligible to declare a business major will be limited to a maximum of 29 hours of business courses (see Limit on Business Credits, p. 80) and may be removed from business courses.

Note: *Students enrolled in this major may not minor in Pre-MBA.*

I. University General Education Requirements (p. 70).....37 s.h.
(To include ECON 231, 232; MATH 123; STAT 171; and either PSY 100 or SOC 100)

II. Core Courses.....30 s.h.
- A. Business Core.....21 s.h.
  ACCT 201, 202; BAT 190, 490; DS 303; FIN 331; MGT 349, 490; MKTG 327
- B. Discipline Core.....9 s.h.
  B L 230; HRM 353; SCM 311

III. Options of Study (select A, B, C, D, E, F, or G).....36 s.h.
- A. Business Analytics
  1. Option Courses.....21 s.h.
     IS 405; DS 421; ECON 381; DS 435, 480, 485, 490
  2. Directed Electives.....15 s.h.
     a. Programming Skills (Select 1): CS 433, 481
     b. Ethics (Select 1): ACCT 477, CS 320, MGT 481
     c. Business and Financial Literacy (Select 1): FIN 101, MGT 125
     d. Business/Statistics/IS/CS Elective
     e. Experiential Learning Opportunity (Select 1): DS 494, DS 499, or other experiential learning opportunity approved by the School Director
- B. Economics
  1. Option Courses.....21 s.h.
     IS 405; DS 421; ECON 381, 409, 440, 471, 341

2. Directed Electives..... 15 s.h.
   a. Technical Skills (Select 1):
      CS 433, 481; DS 490; MKTG 429
   b. Ethics (Select 1):
      ACCT 477, CS 320, MGT 481
   c. Business and Financial Literacy (Select 1):
      FIN 101, MGT 125
   d. ECON/FIN/AGEC/DS Elective
   e. Experiential Learning Opportunity (Select 1):
      ECON 494, ECON 499 or other experiential learning opportunity approved by the School Director

C. Finance
   1. Option Courses..... 24 s.h.
      IS 405; DS 421; ECON 381, 471; FIN 341, 470, 421, 449
   2. Directed Electives..... 12 s.h.
      a. Ethics (Select 1):
         ACCT 477, CS 320, MGT 481
      b. Business and Financial Literacy (Select 1):
         FIN 101, MGT 125
      c. ECON/FIN/AGEC Elective
      d. Experiential Learning Opportunity (Select 1):
         FIN 400, FIN 460, or other experiential learning opportunity approved by the School Director

D. Human Resource Management
   1. Option Courses..... 21 s.h.
      ECON 440; HRM 441, 442, 446, 449; MGT 350, 485
   2. Directed Electives..... 15 s.h.
      a. Analytics Skills (Select 1):
         DS 421, IS 405
      b. Special Topics (Select 1)
         B L 431, 432; SCM 451
      d. Ethics (Select 1):
         ACCT 477, CS 320, MGT 481
      d. Business and Financial Literacy (Select 1):
         FIN 101, MGT 125
      e. Experiential Learning Opportunity (Select 1):
         HRM 400, HRM 460, or other experiential learning opportunity approved by the School Director

E. Management
   1. Option Courses..... 18 s.h.
      B L 431, 432; MGT 350, 445, 474, 485
   2. Directed Electives..... 18 s.h.
      a. Analytics Skills (Select 1):
         DS 421, IS 405
      b. Special Topics in Management (Select 1):
         ECON 440; SCM 451, 457
      c. Ethics (Select 1):
         ACCT 477, CS 320, MGT 481
      d. Business and Financial Literacy (Select 1):
         FIN 101, MGT 125
      e. Business Elective
      f. Experiential Learning Opportunity (Select 1):
         MGT 400, MGT 460, or other experiential learning opportunity approved by the School Director

F. Marketing
   1. Option Courses ..... 27 s.h.
      DS 421; ECON 381; MGT 474, 485; MKTG 333, 433, 441, 429; SCM 451
   2. Directed Electives ..... 9 s.h.
      a. Ethics (Select 1):
         ACCT 477, CS 320, MGT 481
      b. Business and Financial Literacy (Select 1):
         FIN 101, MGT 125
      c. Experiential Learning Opportunity (Select 1):
         MKTG 400, MKTG 460, or other experiential learning opportunity approved by the School Director

G. Supply Chain Management
   1. Option Courses ..... 24 s.h.
      IS 405; DS 421; ECON 381; SCM 440, 451, 453, 457, 465
   2. Directed Electives ..... 12 s.h.
      a. Ethics (Select 1):
         ACCT 477, CS 320, MGT 481
      b. Business and Financial Literacy (Select 1):
         FIN 101, MGT 125
      c. Business Environment:
         B L 431, MGT 485
      e. Experiential Learning Opportunity (Select 1):
         SCM 400 or other experiential learning opportunity approved by the School Director

IV. Open Electives ..... 5 s.h.

V. Other ..... 12 s.h.
   A. CS 114, 301 ..... 6 s.h.
   B. ECON 351† or BCOM 320† ..... 3 s.h.
   C. IS 340 ..... 3 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† ECON 351 or BCOM 320 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
GradTrac: Chemistry and Biochemistry options (see page 75)
Integrated Degree Program(s): M.S. in Chemistry (see page 57)

Program Faculty

Bellott, Chen, Determan, Jin, McConnell, Song, Zhang.

Program Description

The **Bachelor of Science in Chemistry** degree program provides graduates a wide range of career opportunities. Graduates of the B.S. in Chemistry who complete either the general Chemistry, Biochemistry, or Pharmacy options find employment in industry, government agencies, and non-profit organizations. Types of work include basic research, applied research, analytical services, product development, marketing and sales, and manufacturing. Persons who wish to become professional chemists should select the Chemistry option or the Chemistry option certified by the American Chemical Society. Persons desiring to become practicing biochemists should select the Biochemistry option or the Biochemistry option certified by the American Chemical Society. Both are recommended for students wishing to enter graduate school or seek employment in the chemical industry immediately upon graduation. The Pharmacy option targets those students who seek a career as a pharmacist (Pharm.D.) or pharmacologist (Ph.D.) but would also benefit students who wish to work in the pharmaceutical or biotech industries at the B.S. or M.S. level. The Pharmacy option is also useful to those students who are seeking careers in forensic pharmacology, pharmaceutical sales, or as certified pharmacy technicians, pharmacy assistants, and other healthcare professionals. The Science/Chemistry—Teacher Education option is designed to prepare students to become licensed to teach high school science with a specialization in Chemistry.

Degree Requirements

All students seeking the Bachelor of Science in Chemistry must complete I, II, and III.A, III.B, III.C, or III.D below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

Note: *Students enrolled in this major may not minor in Forensic Chemistry or Forensic Science.*

I. University General Education Requirements (p. 70).....37 s.h.
(To include MATH 133)

II. Core Courses.....22 s.h.
CHEM 201, 202, 241, 331, 332, 341

III. Options of Study (select A, B, C, or D)

A. Chemistry

1. Option Courses:
   CHEM 374, 375, 401†, 416, 442, 492 ..... 18 s.h.
2. CHEM Electives ..... 3 s.h.
3. Other ..... 19 s.h.
   a. CS 114 or higher ..... 3 s.h.
   b. MATH 134*, 231 ..... 8 s.h.
   c. PHYS 211*, 212 or 124, 125 ..... 8 s.h.
4. Any minor ..... 16 s.h.
5. Open Electives ..... 5 s.h.

B. Biochemistry

1. Option Courses:
   CHEM 416, 421, 422†, 425, 492 ..... 14 s.h.
2. Directed Electives ..... 8 s.h.
   a. CHEM 370 or 374 ..... 4 s.h.
   b. CHEM Electives ..... 4 s.h.
3. Other ..... 15 s.h.
   a. MATH 134* ..... 4 s.h.
   b. PHYS 211*, 212 or 124, 125 ..... 8 s.h.
   c. CS 114 or higher ..... 3 s.h.
4. Biology minor (Botany, Microbiology, or Zoology) ..... 17 s.h.
5. Open Electives ..... 7 s.h.

C. Pharmacy

1. Option Courses:
   CHEM 263, 264, 370, 416, 421, 422†, 452, 492 ..... 24 s.h.
2. Other ..... 19 s.h.
   a. STAT 171* or 276 ..... 3 s.h.
   b. PHYS 211*, 212 or 124, 125 ..... 8 s.h.
   c. ZOOL 330 and 331 ..... 8 s.h.
3. Select one of the following minors:
   Microbiology or Zoology ..... 17 s.h.
4. Open Elective ..... 1 s.h.

D. Science/Chemistry—Teacher Education

1. Option Courses ..... 27 s.h.
   a. CHEM 401, 482† ..... 7 s.h.
   b. BIOL 100*; CHEM 381, 481 ..... 8 s.h.
   c. GEOL 110* ..... 4 s.h.
   d. PHYS 211*, 213 ..... 8 s.h.
2. Directed Electives ..... 4 s.h.
   a. CHEM 370 or 374 or 375 ..... 4 s.h.
   b. Science Electives ..... 0 s.h.
      Additional courses in Biology (BIOL, BOT, MICR, ZOOL), Chemistry, Geology, Geography, or Physics
3. Other ..... 37 s.h.
   a. MATH 134* ..... 4 s.h.
   b. EDUC 239, 339, 439, 469 ..... 3 s.h.
   c. EDS 202#, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
   d. ENG 366 ..... 2 s.h.
   e. SPED 390 ..... 3 s.h.
   f. STCH 480 ..... 12 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a Multicultural Perspectives course (including CHEM 342);

3) EDS 202 [required for Teacher Education option]; or 4) an approved Study Abroad program.

* University General Education course. 7 s.h. may count toward the Natural Sciences/Mathematics requirement.

† CHEM 401 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Chemistry non-teaching option. CHEM 422 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Biochemistry and Pharmacy options. CHEM 482 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Science/Chemistry—Teacher Education option.

Clinical Laboratory Science (B.S.)

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Afitlhile, Chaudhary, Cooper, Engel, Holt, Hum, Jenkins, Musser, Nepal.

Program Description

The Bachelor of Science in Clinical Laboratory Science combines a broad foundation in Biology, Microbiology, Chemistry, and human health with advanced clinical training at an affiliated school of medical technology. The program prepares students for careers in hospital, diagnostic, public-health, and research laboratories, and provides a strong foundation for certification, employment, and further professional study.

Dual Program

A dual program in Medical Technology is available for Clinical Laboratory Science majors. Please see the Dual Programs section of this catalog (p. 223) for additional information.

Degree Requirements

All students seeking the Bachelor of Science in Clinical Laboratory Science must complete I, II, III, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Criteria for majors to advance beyond introductory core courses: Majors must earn a grade of C (2.0) or better in BOT 200, MICR 200, and ZOOL 200, before enrolling in courses for which they are prerequisites.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 26 s.h.
BIOL 330, 340†, 499; BOT 200; MICR 200, 434; ZOOL 200, 430†

III. Directed Electives ..... 6 s.h.
Select at least 6 s.h. from the following courses:
HLTH 250; MICR 400, 460, 463, 464

IV. Complete practicum at an Affiliated School of Medical Technology (p. 296) ..... 30 s.h.

V. Open Elective ..... 1 s.h.

VI. Other ..... 28 s.h.
- A. CHEM 201, 202, 330, 421 or CHEM 201, 202, 331, 332 ..... 17 s.h.
- B. Select one of the following sequences: ..... 8 s.h.
  1. PHYS 114, 115
  2. PHYS 124, 125
  3. PHYS 211, 212
- C. MATH 128 or equivalent (see advisor) ..... 3 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† BIOL 340 and ZOOL 430 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Arts
Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Communication (see page 57)

Program Faculty

Averbeck, Gloviczki, Go, Jorgensen, Lauer, Miczo, Peters, Tang, Zhao.

Program Description

The **Communication** degree program provides majors with a dynamic and flexible curriculum that prepares our graduates for a broad range of career opportunities and pursuits. The major focuses on the primary areas of organizational communication, persuasive communication, interpersonal communication, and rhetorical communication in order to ground students in the theoretical and applied knowledge of the key role that communication plays in all aspects of human interaction. The discipline routinely prepares students to enter any number of diverse professions from event planner to sales, college recruiter to business management, human resources specialist to social media manager, training and development to politics. Students of Communication receive fundamental training in and exposure to the infinite number of contexts in which humans interact with and influence one another. This knowledge base then provides them with an understanding of message processes that will serve them on an ongoing basis, both professionally and personally.

Degree Requirements

All students seeking the Bachelor of Arts in Communication must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Communication. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....12 s.h.
COMM 130, 247†, 311†, 344

III. Directed Electives.....30 s.h.
Select 30 s.h. of COMM courses, at least 9 s.h. at the 400 level.

IV. Any Approved Minor.....16 s.h.

V. Open Electives.....25 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural (including a Communication [COMM] Multicultural course); or 3) an approved Study Abroad program.

† COMM 247 and 311 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Computer Science (B.S.)

Degree: Bachelor of Science
Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
GradTrac: See page 75
Integrated Degree Program(s): M.S. in Computer Science, Master of Business Administration (see page 57)

Program Faculty

Baramidze, DeVolder, George, Khan, Kim, B. Lee, I. Lee, Mangalaraj, J.M. McQuillan, Razzaque, Sen, Zhao.

Program Description

Western Illinois University's Bachelor of Science in Computer Science prepares students to thrive in a rapidly evolving technological landscape shaped by various innovative technologies such as artificial intelligence. As industries integrate these technologies into daily operations, the demand for professionals with strong computing fundamentals continues to rise. WIU's program merges timeless computing foundations with modern software approaches. Students build deep competencies in algorithms, data structures, computer architecture, operating systems, discrete mathematics, and database systems knowledge that remains essential even as AI transforms the field. Students take two software engineering courses in their last two semesters. These fundamentals empower graduates to be agile, adaptive problem-solvers capable of designing innovative systems and integrating computational thinking across disciplines. Graduates of the B.S. in Computer Science program pursue high-value careers including Software Engineer, AI/Machine Learning Engineer, Web Developer, Data Scientist, Cybersecurity Analyst, and Systems Architect, where they not only code but solve complex problems and build the technologies shaping the future.

Small class sizes and hands-on mentorship create an accessible and personalized learning environment. Students may tailor their studies through emphases in Computer Science, Artificial Intelligence, or Cybersecurity, supported by a required minor that broadens interdisciplinary strengths. Advanced coursework and electives allow specialization in areas such as AI, data analytics, cybersecurity, computer vision, and more.

The program also offers an integrated bachelor's/master's pathway, enabling students to count 9 s.h. towards both the B.S. in Computer Science degree and the M.S. in Computer Science degree.

Advanced Placement (AP) and College Level Examination Program (CLEP)

Students scoring 3 on the AP Computer Science A Examination will receive 3 s.h. of credit for CS Elective. Students scoring 4 or 5 on AP Computer Science A Examination will receive 6 s.h. of credit for CS 114 and 214. Students scoring 3 on the AP Computer Science Principles Examination will receive 3 s.h. of credit for CS Elective. Students scoring 4 or 5 on AP Computer Science Principles Examination will receive 3 s.h. of credit for CS 114.

Degree Requirements

The program for the bachelor's degree shall contain the required Computer Science core of 21 s.h., emphasis courses, depth courses, and directed electives chosen in consultation with the School advisor.

The School of Computing, Data, and Mathematical Sciences offers three emphases of courses designed to meet the career paths of its students; each student will choose an emphasis after consultation with the advisor and with the approval of the School.

The Computer Science major requires a minor from one of the other disciplines on campus. Students may choose any minor (except as outlined below) or an approved cognate minor.

All students seeking the Bachelor of Science in Computer Science must complete I, II, and III.A, III.B, or III.C below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Algorithms and Data Management, App Development, or Applied Artificial Intelligence.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include MATH 133)

II. Core Courses..... 21 s.h.
CS 214, 250, 310, 351, 355, 491†, 492†

III. Select one of the following emphases:
- A. Computer Science..... 46 s.h.
  1. Emphasis Course..... 3 s.h.
     CS/CSEC 371
  2. Depth Courses..... 12 s.h.
     Choose four of the following: CS 400, 410, 420, 460, 465, 467, 470
  3. Directed Electives..... 9 s.h.
     Choose from CSEC 375 or any CS course except CS 101, 225, 302, 315, 455, 483, 484, and 488.
  4. Other..... 9 s.h.
     MATH 255, 311, and STAT 276
  5. Open Electives..... 13 s.h.
- B. Cybersecurity..... 46 s.h.
  Note: *Students enrolled in the Cybersecurity emphasis may not minor in Cybersecurity.*
  1. Emphasis Courses..... 18 s.h.
     CS/CSEC 371, 395, 398; CSEC 321, 322; IS 315
  2. Depth Courses..... 6 s.h.
     Choose two of the following: CS 305, 306, 400, 410, 425, 470; CSEC 436, 489; IS 455; or any 300- or 400-level CSEC course
  3. Other..... 6 s.h.
     MATH 255 and STAT 276
  4. Open Electives..... 16 s.h.
- C. Artificial Intelligence..... 46 s.h.
  1. Emphasis Courses..... 6 s.h.
     CS 433 and CS/CSEC 371
  2. Depth Courses..... 6 s.h.
     CS 460 and 470
  3. Directed Electives..... 12 s.h.
     Choose four of the following: CS 425, 465, 467, 472, 478, 499; DS 485; IS 335, 340, 341, 405, 425
  4. Other..... 6 s.h.
     MATH 255 and STAT 276
  5. Open Electives..... 16 s.h.

IV. Minor..... 16 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) a Study Abroad program preapproved by the School.

† CS 491 and CS 492 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

A minimum cumulative grade point average of 2.00, both in Computer Science courses and overall, should be achieved by the junior year. These grade point averages must be maintained for graduation as a Computer Science major.

Degree: Bachelor of Science
Offered by: School of Engineering and Technology
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Gravitt, Hall, Kim, Obregon, Payne.

Program Description

The Bachelor of Science in Construction Management degree program is designed to educate students to apply advanced materials and design techniques as solutions to construction problems. The comprehensive curriculum combines technical education with instruction in current design and methods employed in industry. Students learn to organize the available workforce, materials, and equipment to design, manage, and support projects. Graduates are prepared to take a managerial/supervisory role in the processes involved in industry.

Degree Requirements

All students seeking the Bachelor of Science in Construction Management must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Construction and Facilities Technology.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include STAT 171; one of CHEM 101, GEOG 121, GEOL 110, PHYS 100, or PHYS 114; and one of ECON 100, ECON 231, or ECON 232)

II. Core Courses..... 51 s.h.
CSTM 132, 230, 234, 236, 260, 301, 302, 337, 345, 430, 433, 440, 460, 493† (3 s.h.); CSTM/ET 320; ET 105, 448

III. Directed Electives..... 9 s.h.
Choose a minimum of 9 s.h. from the following:
CSTM 336; ET 344, 346; ET/ENGR 345; GIS 201, 202; HRM 353

IV. Open Electives..... 11 s.h.

V. Other..... 12 s.h.
- A. ACCT 200 or 201 or 307..... 3 s.h.
- B. B L 230 or 431 or 432..... 3 s.h.
- C. MATH 113..... 3 s.h.
- D. MGT 349..... 3 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing CSTM 440.

† CSTM 493 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Cybersecurity (B.S.)

Degree: Bachelor of Science
Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Baramidze, DeVolder, George, Khan, Kim, B. Lee, I. Lee, Mangalaraj, J.M. McQuillan, Razzaque, Sen, Zhao.

Program Description

Western Illinois University is recognized as a National Center of Academic Excellence in Cyber Defense (CAE–CD). All students successfully completing the requirements for the Bachelor of Science in Cybersecurity will receive a certificate confirming completion of a validated CAE–CD curriculum.

Western Illinois University's Bachelor of Science in Cybersecurity is a comprehensive major which provides students with enhanced opportunities to engage in cutting-edge cybersecurity education and advance their careers. The degree focuses on two key areas: Infrastructure Support and Defensive Cybersecurity.

Infrastructure Support involves testing, implementing, deploying, maintaining, and administering infrastructure hardware and software to support cybersecurity operations. **Defensive Cybersecurity** involves analyzing data collected from various cybersecurity defense tools to identify, assess, and mitigate cybersecurity risks.

Students benefit from small class sizes and individualized mentorship from faculty experts in cybersecurity, artificial intelligence, cryptography, cloud technologies, data communications, and forensics. The WIU Cybersecurity Center also serves as a hub for community education, employer engagement, professional development, and competition preparation, connecting students with regional and national opportunities.

Degree Requirements

All students seeking the Bachelor of Science in Cybersecurity must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Information Systems or Information Technology.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include STAT 171 [if STAT 276 is not chosen in IV.D], MATH 133, and either POLS 101 or POLS 122)

II. Core Courses..... 54 s.h.
CS 214, 250, 305, 310, 351, 410, 433; CS/CSEC 371, 395, 398; CSEC 321, 322, 375, 436, 482, 489; IS 315, 455

III. Directed Electives..... 3 s.h.
Choose 1 course from the following list:
CS 306, 355, 470; CSEC 323, 330, 345, 376; IS 340, 345

IV. Other..... 18 s.h.
A. CS 320†..... 3 s.h.
B. MATH 255..... 3 s.h.
C. ACCT 200 or 201; ACCT 457..... 6 s.h.

D. Choose any two courses from the following list: ..... 6 s.h.
CHEM 251; CSEC 497; DS 303, 423, 435; LEJA 208, 415;
POLS 300 or 302; STAT 276

V. Open Electives ..... 8 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) a Study Abroad program preapproved by the School.

† CS 320 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Educational Studies (B.S.Ed.)

Degree: Bachelor of Science in Education
Offered by: School of Education
Location(s): Macomb
GradTrac: See page 75

Program Faculty

G. Daytner, K. Daytner, Delany-Barmann, Gabbei, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, McKenzie, Paciotto, Pavez, Rouse, Sharma, Sheffield, Sheng, Singh, Stevens, Szyjka.

Program Description

This non-licensure degree program is designed for students interested in education-related careers outside of traditional school settings. Graduates are prepared to work in a variety of environments, including corporate training programs, education-focused businesses, government agencies, research organizations, adult learning programs, nonprofit organizations, correctional facilities, libraries, museums, religious institutions, private recreational settings, international education programs, social and behavioral services, mental health facilities, and residential centers for seniors or individuals with disabilities. The program also supports careers in education-related publishing. Upon graduation, students will hold a versatile degree appropriate for a wide range of education-focused career paths working with children, youth, and adults across diverse settings.

Degree Requirements

All students seeking the Bachelor of Science in Education with a major in Educational Studies must complete I, II, III, IV, V, and VI below, and the Multicultural Perspectives requirement for the major. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70)..... 37 s.h.

II. Core Courses..... 31 s.h.
EDS 110 (3 s.h.), 202, 220, 301, 305, 320, 401, 405, 490 (9 s.h.); SPED 280

III. Directed Electives..... 15 s.h.
- A. SPED 300 or 390..... 3 s.h.
- B. EDS 427 or 428..... 3 s.h.
- C. Select 9 s.h. from the following courses:..... 9 s.h.
  C&I 170, 270, 370; EDS 121, 499; HLTH 400; LA 250, 382, 383, 384; MGT 349; MKTG 327; RSTA 235, 367, 370, 424; SCED 352, 364; SSED 354, 365

IV. Other..... 3 s.h.
ENG 381†

V. Any Approved Minor..... 16 s.h.

VI. Open Electives..... 18 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† ENG 381 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Engineering and Technology
Location(s): Quad Cities

Program Faculty

El-Zein, Gravitt, Hall, Kim, Obregon, Shin, Zbeeb,

Program Description

The Bachelor of Science in Electrical Engineering is accredited by the Engineering Accreditation Commission of ABET, *https://www.abet.org*, under the General Criteria and the Program Criteria for Electrical, Computer, Communications, Telecommunication(s), and Similarly Named Engineering Programs. The study includes electricity, analog and digital electronics, electromagnetism, signal processing, and control theory. Students completing the requirements of this degree will also earn a minor in Mathematics.

Degree Requirements

All students seeking the Bachelor of Science in Electrical Engineering must complete I, II, III.A or III.B, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses^ ..... 42 s.h.
ENGR/ET 105; ENGR 211@, 212&, 220%, 271, 300, 370, 371, 372, 374, 375, 490† (4 s.h.), 491; ENGR/SCM 457

III. Special Courses (select one of the following emphases) ..... 6 s.h.
A. General
ENGR 373, 470 ..... 6 s.h.
B. Power
ENGR 430, 431 ..... 6 s.h.

IV. Directed Electives^ ..... 6 s.h.
Select a minimum of 6 s.h. from the following courses:
ENGR 471, 472, 473, 474, 480

V. Other Requirements^* ..... 33 s.h.
A. CHEM 201 ..... 4 s.h.
B. MATH 133*, 134*, 231, 311, and 333 ..... 18 s.h.
C. PHYS 211 and 213 ..... 8 s.h.
D. One additional Chemistry or Physics course ..... minimum 3 s.h.
CHEM 202 or PHYS 300, 305, or 406 highly recommended

Note: *PHYS 300 is highly recommended for students who want to complete a minor in Physics.*

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

^ Electrical Engineering majors must complete each ENGR core course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.

@ Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.

& Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.
% Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.
† ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.
* 4 s.h. may count toward the University General Education Curriculum requirement.

Degree: Bachelor of Science in Education
Offered by: School of Education
Location(s): Macomb, Quad Cities
GradTrac: Early Childhood Education, Elementary Education, and English as a Second Language Education options (see page 75)

Program Faculty

G. Daytner, K. Daytner, Delany-Barmann, Gabbei, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, McKenzie, Paciotto, Pavez, Rouse, Sharma, Sheffield, Sheng, Singh, Stevens, Szyjka.

Program Description

This degree is for students seeking to be licensed teachers in the public school setting. The degree includes courses in child growth and development, language development, instructional planning and assessment, family engagement, classroom management, content pedagogy, literacy methods, and mathematics methods. Students may choose from four options within the program: Early Childhood Education (birth–grade 2); Elementary Education (grades 1–6); English as a Second Language (grades 1–6, ESL endorsement); Multilingual Education (grades 1–6, ESL and Bilingual endorsements).

Early Childhood Education option

This early childhood option is a specialization within the Bachelor of Science in Education in Elementary Education, focusing on early childhood education (Birth through Grade 2). The program offers two pathways:

- The first leads to a Professional Educator License (PEL) with Early Childhood Special Education Approval, ESL Approval, and the Gateways ECE Credential Level 5. Graduates are qualified to teach children from birth through grade two in public schools and community-based programs that require an Illinois teaching license, including special education settings and classrooms serving linguistically and culturally diverse children.
- The second pathway leads to Gateways credentials only (ECE Level 5, Infant Toddler Credential Level 5, Illinois Director Credential Level 1, or the Developmental Therapist Credential). Graduates are prepared to work in early childhood settings that do not require an Illinois teaching license, such as childcare centers, early intervention programs, or administrative roles in early childhood education.

The early childhood option of the Elementary Education degree program also offers a paraeducator pathway designed to support dedicated early childhood professionals working with children from birth through grade two. This pathway allows individuals to pursue licensure and/or credentials in early childhood education while remaining employed, provided their placement aligns with their intended licensure pathway, meets ISBE requirements, and both the employer and employee are willing to collaborate with WIU to support program completion. Courses are offered online in both asynchronous and synchronous formats, ensuring flexible and equitable access for working professionals. Students may also receive credit for prior learning and experience—such as an A.A.S. in early childhood education or a related field, relevant credentials, or work experience—based on an evaluation by the program coordinator upon entry. Like the traditional program, the paraeducator pathway includes both licensure and non-licensure options.

Elementary Education option

This option is a specialization within the Bachelor of Science in Education in Elementary Education, focusing on elementary education (Grades 1–6). This program leads to a Professional Educator License (PEL). Graduates are qualified to teach children from grade one through grade six in public schools.

The elementary education option of the Elementary Education degree program also offers a paraeducator pathway designed to support professionals working with elementary-aged children. This pathway enables individuals to pursue licensure while remaining employed, as long as their placement aligns with their intended licensure level, meets ISBE requirements, and both the employer and employee are willing to collaborate with WIU to ensure successful program completion. Courses are delivered online in both asynchronous and synchronous formats, providing flexible and accessible options for working professionals.

English as a Second Language Education option

The English as a Second Language (ESL) Education option is a specialization within the Bachelor of Science in Education in Elementary Education, with a focus on Grades 1–6. This program leads to a Professional Educator License (PEL) with an ESL endorsement. Graduates are qualified to teach children in grade one through grade six in public schools and to provide targeted instruction and support to English Learners (ELs).

The ESL option of the Elementary Education degree program also offers a paraeducator pathway designed to support professionals working with elementary-aged English language learners. This pathway enables individuals to pursue licensure while remaining employed, as long as their placement aligns with their intended licensure level, meets ISBE requirements, and both the employer and employee are willing to collaborate with WIU to ensure successful program completion. Courses are delivered online in both asynchronous and synchronous formats, providing flexible and accessible options for working professionals.

Multilingual Education option

The Multilingual Education option is a specialization within the Bachelor of Science in Education in Elementary Education, with a focus on Grades 1–6. This program leads to a Professional Educator License (PEL) with an ESL and bilingual endorsement. Graduates are qualified to teach children in grade one through grade six in public schools, to provide targeted instruction and support to English Learners (ELs), and to work in bilingual or dual-language programs.

The Multilingual option of the Elementary Education degree program also offers a paraeducator pathway designed to support professionals working with elementary-aged English language learners. This pathway enables individuals to pursue licensure while remaining employed, as long as their placement aligns with their intended licensure level, meets ISBE requirements, and both the employer and employee are willing to collaborate with WIU to ensure successful program completion. Courses are delivered online in both asynchronous and synchronous formats, providing flexible and accessible options for working professionals.

Degree Requirements

All students seeking the Bachelor of Science in Education with a major in Elementary Education must complete I, II, and III.A or III.B or III.C or III.D below, and the Multicultural Perspectives requirement for the major#. Students are to meet the University General Education and state licensure requirements, and doing so requires close articulation with their academic advisor. Students in the Licensure track of the Early Childhood Education option will complete student teaching; students in the Non-

Licensure track will complete an internship instead of student teaching. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Teacher Education may require additional hours. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 25 s.h.
EDS 110 (3 s.h.), 202, 220, 320, 401, 428; LA 383†; MATH 106, 206

III. Options of Study (select A, B, C, or D) ..... 58–64 s.h.
- A. Elementary Education
  1. Specialty Courses ..... 11 s.h.
     EDS 301, 305, 410; LA 250; SPED 390
  2. Subject Area Content Requirements ..... 25 s.h.
     LA 313, 384†; MATH 266, 364; PETE 360; SCED 364, 464; SSED 365, 495
  3. Pre-Clinical Field Experiences ..... 7 s.h.
     a. C&I 170 (1 s.h.) or SPED 280 (1 s.h.)
     b. C&I 270 (1 s.h.), 370 (1 s.h.), 470 (4 s.h.)
  4. Clinical Field Experience ..... 12 s.h.
     STCH 460, 461, or 462
  5. Open Electives ..... 3 s.h.
- B. Early Childhood Education
  1. Specialty Courses ..... 25 s.h.
     ECH 271, 273, 277, 354 (3 s.h.), 355 (3 s.h.), 356, 359; LA 250 (3 s.h.); SPED 392
  2. Subject Area Content Requirements ..... 15 s.h.
     LA 313, 382†; MATH 362; NUTR 203; SCED 352; SSED 354
  3. Pre-Clinical Field Experiences ..... 6 s.h.
     ECH 380, 381, 480
  4. Select one of the following tracks:
     a. Licensure Track
        Clinical Field Experiences ..... 12 s.h.
        ECH 410; STCH 459 or 460 (12)
     b. Non-Licensure Track
        i. Clinical Field Experiences ..... 10–12 s.h.
           ECH 481
        ii. Open Electives ..... 0–2 s.h.
- C. English as a Second Language Education
  1. Specialty Courses ..... 18 s.h.
     a. EDS 301, 453, 457, 458; SPED 390
     b. EDS 430 or 440
  2. Subject Area Content Requirements ..... 22 s.h.
     LA 313, 384†; MATH 266, 364; PETE 360; SCED 364, 464; SSED 365
  3. Pre-Clinical Field Experiences ..... 6 s.h.
     a. C&I 170 (1 s.h.) or SPED 280 (1 s.h.)
     b. C&I 270 (1 s.h.), 370 (1 s.h.), 470 (3 s.h.)

4. Clinical Field Experiences ..... 12 s.h.
   STCH 437

D. Multilingual Education
   1. Specialty Courses ..... 18 s.h.
      EDS 301, 430, 453, 457, 458; SPED 390
   2. Subject Area Content Requirements ..... 22 s.h.
      LA 313, 384†; MATH 266, 364; PETE 360; SCED 364, 464; SSED 365
   3. Pre-Clinical Field Experiences ..... 6 s.h.
      a. C&I 170 (1 s.h.) or SPED 280 (1 s.h.)
      b. C&I 270 (1 s.h.), 370 (1 s.h.), 470 (3 s.h.)
   4. Clinical Field Experiences ..... 12 s.h.
      STCH 437
   5. Foreign Language (select a or b) ..... 6 s.h.
      a. Spanish
         i. SPAN 325 or 326†
         ii. SPAN 320, 327, or 401
      b. Other State-Approved Language
         Select 6 s.h. in 300- or 400-level coursework in chosen language.
   6. Study Abroad ..... 0–12 s.h.
      EDS 361 or Study Abroad courses that substitute for coursework required for the major. These courses will depend upon university setting.
      Note: *If the student can pass the Target Language Proficiency Exam while in junior level standing, the student may opt out of the Study Abroad program requirement.*

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; 3) SSED 495 [required for Elementary Education option]; or 4) SSED 354 [required for Early Childhood Education option].

† LA 383 and LA 384 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Elementary Education option, the English as a Second Language Education option, and the Multilingual Education option. LA 382 and LA 383 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Early Childhood Education option.

Degree: Bachelor of Science
Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Public Safety Administration (see page 57)

Program Faculty

Alexander, Arthur, Bailey, Baum, Bichsel, Bitner, Daugherty, Ekici, Greene, Henning, Johnson, Kelly, Lough, McCrary, Meloni, Miller, Perez, Pristera, Robbins, Schafer, Sergevnin, Villasenor, Walton, Watts, Young.

Program Description

The **Emergency Management** degree program will prepare students to become future leaders who will create and administer emergency plans, coordinate disaster response, and develop and utilize communication networks for addressing natural catastrophes (tornadoes, floods, earthquakes, and hurricanes), technological disasters (hazardous materials spills and nuclear power plant emergencies), and weapons of mass destruction incidents.

Degree Requirements

All students seeking the Bachelor of Science in Emergency Management must complete I, II, III, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C (2.0) or better is required in all Core Courses, Directed Electives, and their required prerequisites to complete the Emergency Management major. Students must have an overall GPA of 2.00 and major GPA of 2.50 to enroll in EM 490, a required course for the major. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Emergency Management. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....43 s.h.
EM 276, 304, 305†, 323, 324, 401, 460, 465, 480, 490, 491; FS 303; GIS 202

III. Any Approved Minor.....16 s.h.

IV. Open Electives.....24 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

* May count toward completion of the University General Education requirement.

† EM 305 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Engineering Technology (B.S.)

Degree: Bachelor of Science
Offered by: School of Engineering and Technology
Location(s): Macomb, Quad Cities

Program Faculty

Gravitt, Hall, Kim, Obregon, Payne.

Program Description

The Bachelor of Science in Engineering Technology degree program is designed to represent the practical application of mathematics, science, and engineering to real-world operation, production, and service problems. Students learn to organize and optimize resources to develop, create, operate, maintain, and manage projects. The program includes a strong foundation in hands-on learning coupled with business management principles and practices.

Degree Requirements

All students seeking the Bachelor of Science in Engineering Technology must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Manufacturing Technology.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include CHEM 101; STAT 171; and one of ECON 100, ECON 231, or ECON 232)

II. Core Courses..... 45 s.h.
ET 105, 207, 241, 261, 344, 345, 356, 363, 367, 448, 468, 493† (9 s.h.); CSTM/ET 320

III. Directed Electives..... 12 s.h.
Select a minimum of 12 s.h. from the following courses:
ET 346, 403, 446, 477, 481, 482; CSTM 440

IV. Other..... 17 s.h.
- A. MGT 349..... 3 s.h.
- B. MATH 128, 129..... 6 s.h.
- C. PHYS 114, 115..... 8 s.h.

V. Open Electives..... 9 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† ET 493 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Arts
Offered by: School of Humanities
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Allison, Balk, Banash, Barclay, Buchanan, Cole, Di Carmine, Hamner, Kozhukhova, Lawhorn, Malachuk, A. Mossman, M. Mossman, Parzefall, Vaughn, White, Wurth.

Dual Program

A dual program in Law is available for English majors. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Proficiency Examinations

Freshmen who have been in accelerated programs in high school or transfer students from other institutions of higher education may request permission to take a proficiency examination for English 180 or 280. The examinations will be given by the second week of each semester. A student will receive 3 s.h. of credit upon passing the examination. Direct inquiries to Writing Director, 124 Simpkins Hall.

Degree Requirements

All students seeking the Bachelor of Arts in English must complete I, II, and III.A or III.B below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70)..... 37 s.h.

II. Core Courses..... 12 s.h.
ENG 281, 285, 299, 476†

III. Options of Study (select A or B)
- A. Literature and Language
  - 1. Option Courses..... 9 s.h.
    ENG 328, 338, 376
  - 2. Directed Electives..... 24 s.h.
    - a. One course in World Literature, chosen from:
      ENG 350, 352, 357, 358, 492..... 3 s.h.
    - b. One course in Social Justice, chosen from:
      ENG 307, 346, 348, 350, 357, 358, 359, 392;
      or ENG 400, 401, 409 when appropriate..... 3 s.h.
    - c. Two courses in Professional Writing, chosen from:
      ENG 370, 380, 382, 481, 483, 484, 489, 495..... 6 s.h.
    - d. Two courses in Creative Writing, chosen from:
      ENG 385, 386, 387, 485, 486, 487..... 6 s.h.

e. Two courses in New Media and Film, chosen from: ENG 290, 303, 381†, 388, 480 ..... 6 s.h.
3. Any Minor ..... 16 s.h.
4. Open Electives ..... 22 s.h.

B. English—Teacher Education
1. Option Courses ..... 18 s.h.
a. ENG 328, 338 ..... 6 s.h.
b. ENG 384†, 466, 471 ..... 9 s.h.
c. ENG 433 ..... 3 s.h.
2. Directed Electives ..... 18 s.h.
a. One course in Forms, chosen from: ENG 200, 201, 202, 300, 302, 303, 304, 305, 306, 356 ..... 3 s.h.
b. One upper-division course in World Literature, chosen from: ENG 350, 352, 357, 358, 492 ..... 3 s.h.
c. One upper-division course in Grammar and Language, chosen from: ENG 370, 372, 483 ..... 3 s.h.
d. One upper-division course in Social Justice, chosen from: ENG 307, 346, 348, 350, 357, 358, 359, 392; or ENG 400, 401, 409 when appropriate ..... 3 s.h.
e. Choose two of the following: ENG/BC&J 290; ENG 303, 381†, 388, 480 ..... 6 s.h.
3. Other ..... 33 s.h.
a. Professional Education Sequence ..... 15 s.h.
ENG 366; EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401
b. SPED 390 ..... 3 s.h.
c. EDUC 239, 339, 439 ..... 3 s.h.
d. STCH 480 ..... 12 s.h.
4. Open Electives ..... 2 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† ENG 476 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Literature and Language option. ENG 384 and 476 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the Teacher Education option.

Degree: Bachelor of Science
Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Bezold, Bories, Kanauss, Kovacs, Oden, Plos, Polubinsky, Shupe, Wen.

Program Description

The ***Exercise Science*** degree prepares students to enter a wide variety of kinesiology-based fields through coursework and hands-on learning experiences focused on the interrelationships between exercise, fitness, diet, health and human performance. Students will acquire knowledge in anatomy and physiology, biomechanics, exercise physiology, sport psychology, nutrition, and other related areas of study. Graduates of the program often work in personal training, strength and conditioning, health/fitness facility management, employee wellness, and cardiac rehabilitation. In addition, the Exercise Science degree can provide students with the necessary prerequisites and field experience that will make them strong candidates for future study in athletic training, physical therapy, occupational therapy, and other medical related fields.

Degree Requirements*

All students seeking the Bachelor of Science in Exercise Science must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C- or better is required in all Kinesiology (KIN) courses required for the major. A 2.5 GPA in the major is required before internship clearance. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include PSY 100, STAT 171, and one of CHEM 150, PHYS 100, or ZOOL 200)

II. Core Courses..... 47 s.h.
KIN 170, 270, 286, 294, 300, 343, 347, 359, 391, 392, 400, 444†, 463

III. Directed Electives..... 6 s.h.
Select a minimum of 6 s.h. from KIN 290, 291 or ZOOL 330, 331

IV. Open Electives..... 5 s.h.

V. Other..... 25 s.h.
- A. NUTR 109, 404..... 6 s.h.
- B. HLTH 370†, 441..... 6 s.h.
- C. HLTH/NUTR 407, 408†, 438..... 7 s.h.
- D. HLTH 325 or NUTR 300..... 3 s.h.
- E. NUTR 305 or 308..... 3 s.h.

* For successfully meeting established criteria, the National Strength and Conditioning Association officially recognizes Western Illinois University's educational program in Strength and Conditioning.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing HLTH 325 or NUTR 300.

† HLTH 370, HLTH/NUTR 408, and KIN 444 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Fire Protection Services (B.S.)

Degree: Bachelor of Science
Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online (Fire Administration option)
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Public Safety Administration (see page 57)

Program Faculty

Alexander, Arthur, Bailey, Baum, Bichsel, Bitner, Daugherty, Ekici, Greene, Henning, Johnson, Kelly, Lough, McCrary, Meloni, Miller, Perez, Pristera, Robbins, Schafer, Sergevnin, Villasenor, Walton, Watts, Young.

Program Description

The Bachelor of Science in Fire Protection Services degree program offers three options, each designed for students in a different phase of their career in Fire Service, and to prepare them for a different aspect of this service.

Fire Administration

Our Fire Administration program focuses on the needs of working fire professionals who either aspire to or have acquired leadership positions in the Fire Service. To best meet the needs of our working fire professionals, the Fire Administration curriculum is available completely online. This program is designed to provide professional knowledge, understanding, and skills in fire protection while developing an educational base for further development of educational pursuits.

Fire Science

The Fire Science program, delivered on the Macomb campus, is the only bachelor's level Fire Science program in the nation to provide students with all FESHE required fire courses and all courses needed to sit for the paramedic licensing national exam. Like the Fire Administration program, this program is designed to provide professional knowledge, understanding, and skills in fire protection while developing an educational base for further development of educational pursuits.

Fire Medic

Our Fire Medic Program focuses on the needs of students preparing for a career in the Fire Service. It delivers a curriculum designed to give our students a competitive edge in acquiring a firefighting position, as well as the tools to excel in their careers. All students completing the Fire Medic option will be eligible to take the paramedic licensure exam.

Degree Requirements

All students seeking the Bachelor of Science in Fire Protection Services must complete I, II, and III.A, III.B, or III.C below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Fire Science.*

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....18 s.h.
FS 210, 211, 212, 303, 345, 485†, 499

III. Options of Study (select A, B, or C) ..... 65 s.h.
- A. Fire Administration
  - 1. Special Courses ..... 27 s.h.
    EM 477, 478; FS 300, 481, 482, 483, 484, 488; SOC 488
  - 2. Directed Electives ..... 9 s.h.
    - a. FS 477 or SOC 487
    - b. Select 6 s.h. from the following courses:
      EM 461; FS 443, 444, 486; HRM 353, 443;
      HLTH 400; LEJA 231; POLS 300, 302
  - 3. Open Electives ..... 29 s.h.
- B. Fire Science
  - 1. Special Courses ..... 24 s.h.
    FS 301, 302, 444, 486, 487, 490
  - 2. Directed Electives ..... 11 s.h.
    - a. FS 491 or 492
    - b. Select 8 s.h. from the following courses:
      EM 251, 252; FS 101, 102, 103; KIN 208, 308,
      346, 408; LEJA 231
  - 3. Open Electives ..... 30 s.h.
- C. Fire Medic
  - 1. Special Courses ..... 44 s.h.
    FS 101, 102, 103, 301; EM 360, 361, 362, 363, 364
    365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375
  - 2. Open Electives ..... 21 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† FS 485 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Foreign Languages and Cultures (B.A.)

Degree: Bachelor of Arts
Offered by: School of Humanities
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Asare, Brown, Picanço.

Advanced Placement

Advanced placement into the foreign language program may be achieved by one of the following: 1) completion of four years of high school foreign language study (in the same language); 2) scoring above the beginning level on the departmental placement examination; 3) completion of the College Entrance Board Advanced Placement Examination (CEEB); 4) completion of the College Level Examination Program (CLEP). College credit may be obtained by passing CEEB or CLEP. Students beginning college language study at the 300- or 400-level may qualify, upon application, for advanced placement credit (equivalent to 122, 223, 224) by completing two 300- or 400-level courses (in the same language) with grades of C or better. Students who begin at the 224-level may qualify, upon application, for advanced intermediate placement credit (equivalent to 122 and 223) by completing 224 and one 300-level class (in the same language) with a grade of C or better. Students who begin at the 223-level may qualify, upon application, for intermediate placement credit (equivalent to 122) by completing 223 with a grade of C or better. Please note that a grade of C- does not fulfill this requirement. Credit cannot be earned for courses numbered 121, 122, 223, or 224 which are more elementary than coursework already completed, unless the credit is earned through Advanced Placement. Students earning the Illinois State Seal of Biliteracy will receive credit for courses numbered 121, 122, 223, and 224 in the specified language.

Degree Requirements

All students seeking the Bachelor of Arts in Foreign Languages and Cultures must complete I, II, III.A or III.B or III.C or III.D, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. All students seeking the Bachelor of Arts in Foreign Languages and Cultures must complete a minimum of 12 s.h. of upper-level (300- or 400-level) coursework in the major language at WIU. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Course..... 3 s.h.
F L 101

III. Options of Study@ (Select A, B, C, or D)
- A. Spanish^
  - 1. Option Courses ..... 15 s.h.
    - a. F L 350*, 490† ..... 6 s.h.
    - b. SPAN 325, 326†, 327 ..... 9 s.h.
  - 2. Directed Electives ..... 18 s.h.
    - a. Select any course in a secondary foreign language at the intermediate level (223 or 224) ..... 3 s.h.
    - b. Two 300-level SPAN courses ..... 6 s.h.
    - c. Two 400-level SPAN courses ..... 6 s.h.
    - d. Any additional 300/400-level SPAN course ..... 3 s.h.
  - 3. Open Electives ..... 31 s.h.
- B. French^
  - 1. Option Courses ..... 15 s.h.
    - a. F L 350*, 490† ..... 6 s.h.
    - b. FR 325, 326†, 327 ..... 9 s.h.
  - 2. Directed Electives ..... 18 s.h.
    - a. Select any course in a secondary foreign language at the intermediate level (223 or 224) ..... 3 s.h.
    - b. Two 300-level FR courses ..... 6 s.h.
    - c. Two 400-level FR courses ..... 6 s.h.
    - d. Any additional 300/400-level FR course ..... 3 s.h.
  - 3. Open Electives ..... 31 s.h.
- C. Spanish Teacher Education
  - 1. Option Courses ..... 15 s.h.
    SPAN 223, 224*, 325, 326†, 327
  - 2. Directed Electives ..... 15 s.h.
    - a. Four 300/400-level SPAN courses ..... 12 s.h.
    - b. Select any course in a secondary foreign language at the intermediate level (223 or 224*) ..... 3 s.h.
  - 3. Open Elective ..... 1 s.h.
  - 4. Other ..... 33 s.h.
    - a. EDUC 439 ..... 3 s.h.
    - b. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
    - c. LA 387 ..... 2 s.h.
    - d. SPED 390 ..... 3 s.h.
    - e. STCH 480 ..... 12 s.h.
- D. French Teacher Education
  - 1. Option Courses ..... 15 s.h.
    FR 223, 224*, 325, 326†, 327
  - 2. Directed Electives ..... 15 s.h.
    - a. Four 300/400-level FR courses ..... 12 s.h.
    - b. Select any course in a secondary foreign language at the intermediate level (223 or 224*) ..... 3 s.h.
  - 3. Open Elective ..... 1 s.h.
  - 4. Other ..... 33 s.h.
    - a. EDUC 439 ..... 3 s.h.
    - b. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
    - c. LA 387 ..... 2 s.h.
    - d. SPED 390 ..... 3 s.h.
    - e. STCH 480 ..... 12 s.h.

IV. Any Approved Minor ..... 16 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing a designated foreign language requirement.

* May count toward the University General Education Requirement.
@ For all options, courses numbered 279 and 379 may only be used as Open Electives.
^ For options A and B, a maximum of 9 s.h. of Directed Electives may be taken during an approved Study Abroad program.
† F L 490 and FR/SPAN 326 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement for the French and Spanish options. FR/SPAN 326 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the French Teacher Education and Spanish Teacher Education options.

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
Integrated Degree Program(s): M.S. in Chemistry (see page 57)

Program Faculty

Bellott, Chen, Determan, Jin, McConnell, Song, Zhang.

Program Description

The **Bachelor of Science in Forensic Chemistry** prepares graduates with a strong Chemistry background and a specialization in forensic chemistry which will prepare them to work in modern laboratories at the local, regional, state, and federal levels. Graduates of the Forensic Chemistry program will be prepared for careers in modern crime laboratories and other law enforcement agencies as well as private chemical and pharmaceutical industries. ACS certification is available for the B.S. in Forensic Chemistry degree program.

Degree Requirements

All students seeking the Bachelor of Science in Forensic Chemistry must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.
(To include MATH 133 and 134)

II. Core Courses ..... 49 s.h.
CHEM 201, 202, 241, 251, 331, 332, 341, 351, 416, 421, 452, 453, 455†, 459, 492

III. Directed Electives ..... 7 s.h.
- A. CHEM 370 or 374 ..... 4 s.h.
- B. CHEM 485 or 490 ..... 3 s.h.

IV. Other Requirements ..... 25 s.h.
- A. STAT 171 ..... 3 s.h.
- B. PHYS 211, 212 or 124, 125 ..... 8 s.h.
- C. LEJA 101 ..... 3 s.h.
- D. BOT 200 or ZOOL 200 ..... 4 s.h.
- E. MICR 200 ..... 4 s.h.
- F. Select at least 3 s.h. from the following:
  ANTH 405, BIOL 330, CS 305, GEOL 110 ..... 3 s.h.

V. Open Electives ..... 2 s.h.

\# The Multicultural Perspectives graduation requirement (p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course (including CHEM 342); or 3) an approved Study Abroad program.

† CHEM 455 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

General Studies (B.A.)

Degree: Bachelor of Arts
Offered by: Office of the Provost
Location(s): Macomb, Online
Integrated Degree Program(s): M.S. in College Student Personnel (Higher Education Leadership option) and M.A. in Public Safety Administration (see page 57)

Program Description

Western Illinois University offers a unique online Bachelor of Arts degree program designed to provide students an opportunity to earn an undergraduate degree in a manner compatible with their educational needs and lifestyles: the Bachelor of Arts in General Studies degree. This highly individualized and flexible program recognizes that adults may have attended a variety of educational institutions and accepts transfer of passing coursework taken at other regionally accredited colleges and universities. Students may apply for academic credit through the preparation of a prior learning portfolio, which documents specific college-level knowledge gained through nonacademic pursuits that can be related to WIU courses. Students may also receive academic credit through the use of approved proficiency examinations and testing programs. Students can apply WIU coursework offered online or at the two campus locations toward the completion of their degree and the 30 semester hour residency requirement.

Admission Requirements

1. Applicants who have attended other colleges or universities must:
    a. have a C average for all work attempted;
    b. be in good standing at last college or university attended; and
    c. have successfully completed 24 semester hours of coursework at a regionally accredited institution; or have had a scheduled high school graduation date at least five years ago.
2. Applicants who do not meet the admission requirements identified in 1 above may be considered for admission if they have been separated from higher education institutions for five or more years.

Any former WIU student admitted to the degree program under option 2 above will continue under the last transcripted academic standing status (e.g., academic probation, academic warning). Applicants who do not meet the criteria identified in 1 or 2 above may appeal to the Bachelor of Arts in General Studies Advisory Committee for admission. ***Note:*** *Students who have been academically suspended or dismissed from WIU must be readmitted to the University before seeking admission to the Bachelor of Arts in General Studies degree program.*

Admission into the Bachelor of Arts in General Studies degree program does not guarantee admission into any other degree program at WIU.

Transfer Credit

All academic credit earned before admission to the Bachelor of Arts in General Studies degree program, regardless of when the credit was earned, may be transferred into the program provided that:

1. The college or university was regionally accredited at the time the credit was earned.
2. A grade of A, B, C, D, P, or S was earned.
3. The credit could be applied at that institution to an associate or bachelor degree program.
4. The course was not a repeated course.
5. The course was not remedial or developmental.
6. A "C" was earned for the equivalent of freshman composition.

Prior Learning Portfolio Credit

A maximum of 30 credit hours for portfolio assessment may be accepted toward credit for graduation. University faculty evaluate and recommend credit for the prior learning. Upon approval of the Program Director and College Dean, the academic credit awarded as a result of a portfolio evaluation will be entered on the WIU transcript.

Dual Program

A dual program in Chiropractic is available for students in the General Studies degree program. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Degree Requirements

All students seeking the Bachelor of Arts in General Studies must successfully complete the requirements listed below. Course descriptions begin on page 274.

1. **General Education:** Satisfy the University General Education Requirements*—37 s.h. (p. 70).
2. **Grade Point Average (GPA):** Earn a minimum overall GPA of 2.00 (C). See page 48 for information about computing GPA.
3. **Semester Hours:** Earn a minimum of 120 semester hours of credit. Of the 120 semester hour minimum:
   A. At least 40 must be earned from a senior (4-year) institution
   B. At least 40 must be earned in upper division (junior/senior) level courses from a senior (4-year) institution.
   C. At least 30 must be earned from WIU (at least 16 must be upper division).
4. **Mathematics Competency:** Demonstrate ability to use baccalaureate-level skills in mathematics. (See Mathematics Competency Requirement, p. 67.)
5. **Writing Requirement:** Successfully complete a Writing Instruction in the Disciplines (WID) course **OR** a Bachelor of Arts in General Studies (BGS) online writing course†.
6. **Multicultural Perspectives:** Fulfill the Multicultural Perspectives requirement for the degree program.#
7. **Graduation Application:** File an application for graduation in the Office of the Registrar during the last semester as a junior. The graduation application is available at *wiu.edu/registrar/forms*.
8. **Financial Obligations:** Clear all financial obligations to the University before proof of degree will be provided.

* No more than 2 courses from any 1 discipline can be used to fulfill General Education Core Curriculum Requirements. Students must earn a passing letter grade in each course used to fulfill requirements. A grade of C or better will be required for satisfactory completion of the Communication writing requirements.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† BGS online writing courses: BC&J 350, 351, 352; CS 320; ECON 351; ENG 380, 381; FS 484, 485; HIST 316; PHIL 300, 330; SOC 300, 360; UNIV 490; WS 355, 360.

Geographic Information Science (B.S.)

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb, Online (see [Δ] note below)
GradTrac: See page 75
Integrated Degree Program(s): M.S. in GIScience and Geoenvironment (see page 57)

Program Faculty

Choi, Finch, Markham, Mayborn, Merrett, Sutton, Thompson.

Program Description

Geographic Information Science (GIS) is the study of spatial data and computer techniques used to capture, analyze, and display geographic information. Every undergraduate student is expected to acquire GIS skills in order to model scientifically the geospatial world and its components using GIS in a space-time framework. Our students are exposed to three perspectives of GIS learning: theoretical understanding, skill development, and real-world problem solving. Through hands-on training and practical applications, the students develop proficiency in using GIS techniques to address real-world problems, project design, implementation, and reporting. Our students may pursue an option in either Geospatial Science (Geographic Information Systems, Remote Sensing, and GPS) or Geoenvironment and Planning (physical-environment, human, urban planning, and regional planning).

Career opportunities are found in both public and private sectors. Most notables include disaster response companies, transportation firms, land use planning agencies, GIS-related professions, historic preservations firms, construction companies, real estate firms, international business, location analysis firms, architectural firms, and wind energy/sustainable energy companies.

Degree Requirements[Δ]

All students seeking the Bachelor of Science in Geographic Information Science must complete I, II, III.A or III.B, IV, and V below, and the Foreign Language/Global Issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Geography.*

Note: *Students interested in Meteorology should see the Meteorology advisor about additional courses.*

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 18 s.h.
GEOG 301, 405†; GIS 202, 309, 402, 405

III. Options of Study (select A or B): ..... 28 s.h.
- A. Geospatial Science
  1. GIS 108, 403, 404, 410 ..... 13 s.h.
  2. GIS 407 or 408 ..... 3 s.h.
  3. Choose two of the following courses: ..... 6 s.h.
     GEOG 426, 430, 440, 497, 499
  4. Choose two of the following courses: ..... 6 s.h.
     CS 114, 214; GIS 201; GIS 407 or 408
- B. Geoenvironment and Planning
  1. GEOG 100 or 110 ..... 3 s.h.
  2. GEOG 121 or METR 120 ..... 4 s.h.

3. Choose six courses (200 level and above) from the Human Group and/or the Physical Group ..... 18 s.h.
4. Choose one course from the Geospatial Group ..... 3 s.h.

IV. Any Minor ..... 16 s.h.

V. Open Electives ..... 21 s.h.

Δ This major is available online with the selection of designated courses. Please contact advisor for details.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† GEOG 405 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

History (B.A.)

Degree: Bachelor of Arts
Offered by: School of Humanities
Location(s): Macomb, Online (History option only)
GradTrac: History and Pre-Law options (see page 75)
Integrated Degree Program(s): M.A. in History (see page 57)

Program Faculty

Chamberlin, Cole, Filipink, Hall, Pamonag, Roberts, Woell.

Dual Program

A dual program in Law is available for History majors. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Pre-Professional Program

A Pre-Law option, which supports the pre-professional program in Law, is available for History majors. Please see the Pre-Law option for a detailed description of the requirements. Also see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

Degree Requirements

All students seeking the Bachelor of Arts in History must complete I, II, and III.A, III.B, or III.C below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include POLS 122 for Pre-Law option; to include ANTH 110, ECON 100, GEOG 100, and a General Education Mathematics course for Teacher Education option)

II. Core Courses..... 15 s.h.
HIST 105, 106, 115, 116, 201

III. Options of Study (Select A, B, or C)
A. History
1. HIST 395..... 1 s.h.
2. Directed Electives..... 27 s.h.
a. HIST 491† or 492†..... 3 s.h.
b. U.S. History (Area I)..... 9 s.h.
c. World History (Area II)..... 12 s.h.
d. Any additional History course..... 3 s.h.
At least 15 s.h. in Directed Electives must be at the 300 or 400 level; of those, at least 6 s.h. must be at the 400 level.
At least 3 s.h. must be designated as Multicultural Perspectives.
3. Any Minor..... 16 s.h.
4. Open Electives..... 24 s.h.

B. Pre-Law
   1. HIST 491†..... 3 s.h.
   2. Directed Electives..... 24 s.h.
      a. Any five of the following courses:
         HIST 303, 310, 350, 351, 352, 353, 355, 402, 426..... 15 s.h.
      b. World History course (Area II)..... 3 s.h.
      c. Any 400-level History course..... 3 s.h.
      d. One of the following courses: ENG 281; PHIL 420;
         POLS 226, 319, 410 or 411, 448; SOC 355..... 3 s.h.

      At least 3 s.h. in Directed Electives must be designated as Multicultural Perspectives.
   3. Other: PHIL 205..... 3 s.h.
   4. Any Minor..... 16 s.h.
   5. Open Electives..... 22 s.h.

   Note: *Must graduate with at least a 3.0 GPA in the major.*
   Note: *May not count toward the major a grade of D+ or lower in any course required for this major option.*

C. History—Teacher Education
   1. HIST 420†, PSY 100..... 6 s.h.
   2. Directed Electives..... 27 s.h.
      a. POLS 122 or 267..... 3 s.h.
      b. At least 24 s.h. of History courses must be taken, including:
         1) At least 9 s.h. of U.S. History (Area I)..... 9 s.h.
         2) At least 15 s.h. of World History (Area II)..... 15 s.h.

      At least 6 s.h. in Directed Electives must be at the 400 level.
      At least 3 s.h. must be designated as Multicultural Perspectives.
   3. Other..... 36 s.h.
      a. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401..... 13 s.h.
      b. SSED 439, 449..... 6 s.h.
      c. SPED 390..... 3 s.h.
      d. ENG 366 or LA 387..... 2 s.h.
      e. STCH 480 (16 weeks)..... 12 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing a History (HIST) course designated as Multicultural Perspectives.

† HIST 491 or 492 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the History non-teaching option. HIST 491 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Pre-Law option. HIST 420 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the History—Teacher Education option.

Information Systems (B.S.)

Degree: Bachelor of Science
Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb, Online (Business Intelligence emphasis and Information Systems emphasis only)
GradTrac: See page 75

Program Faculty

Baramidze, DeVolder, George, Khan, Kim, B. Lee, I. Lee, Mangalaraj, J.M. McQuillan, Razzaque, Sen, Zhao.

Program Description

Western Illinois University's Information Systems program equips students with the technical, analytical, and strategic skills needed to thrive in today's technology-driven organizations. Because technology powers industries such as healthcare, finance, logistics, retail, government, and nonprofits, graduates enter the workforce prepared to design, manage, and improve the systems that enable modern business operations. Offered 100% online or on campus in Macomb, the program provides flexible pathways that support working professionals, traditional students, and career-changers alike.

Students develop a strong foundation in core computing and business technologies while gaining hands-on experience with artificial intelligence, cloud computing, cybersecurity, data management, and enterprise systems. The curriculum blends technical depth with strategic decision-making, preparing graduates not only to build solutions but also to analyze organizational needs and lead technology initiatives.

Students may tailor their degree program through emphases in Information Systems, Cybersecurity, Business Intelligence, or Computer Information Systems, each offering targeted coursework and advanced electives. Small class sizes ensure personalized attention from faculty experts specializing in AI, big data, cloud, cybersecurity, and e-commerce. Graduates pursue careers such as Systems Analyst, Business Analyst, Data Analyst, IT Project Manager, Cloud Solutions Specialist, and Technology Consultant, solving complex business problems, designing smarter processes, and helping industries operate more efficiently and competitively.

Degree Requirements

All students seeking the Bachelor of Science in Information Systems must complete I, II, III.A or III.B or III.C or III.D, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in App Development or Algorithms and Data Management.*

I. University General Education Requirements (p. 70) ..... 37 s.h.
(To include MATH 133 and STAT 171)

II. Core Courses ..... 15 s.h.
CS 214, 250; IS 340, 341, 462

III. Select one of the following emphases ..... 30 s.h.
- A. Information Systems
  - 1. IS 342 ..... 3 s.h.
  - 2. Directed Electives
    - a. CS 484 or CSEC 321 ..... 3 s.h.
    - b. Choose 4 courses from IS 343, 405, 410, 415, 455, 467; ACCT 451 ..... 12 s.h.

c. Choose 4 courses from CS 114 or any 300-level course or above in Computer Science (CS), Cybersecurity (CSEC), or Information Systems (IS) (except CS 302, 315, 420, 470, 483, 484; CSEC 321; IS 325) ..... 12 s.h.

B. Cybersecurity
1. CS 305; IS 315, 455; CSEC 321, 322 ..... 15 s.h.
2. Directed Electives
a. IS 344 or 345 ..... 3 s.h.
b. CS/CSEC 395 or CS 455 ..... 3 s.h.
c. Choose 3 courses from CS 306; CS/CSEC 371, 398; CSEC 323, 330, 345, 375, 422, 436, 482, 489; IS 342, 410, 415 ..... 9 s.h.

C. Business Intelligence
1. IS 405 ..... 3 s.h.
2. Directed Electives
a. IS 342 or CS 470 ..... 3 s.h.
b. Choose 4 courses from IS 335, 425, 467; CS 114; DS 200, 435, 490 ..... 12 s.h.
c. Choose 4 courses from any 300-level course or above in Computer Science (CS), Cybersecurity (CSEC), or Information Systems (IS) (except CS 302, 315, 470, 483; IS 325, 405) ..... 12 s.h.

D. Computer Information Systems
1. IS 343, 467 ..... 6 s.h.
2. CS 470 or IS 342 ..... 3 s.h.
3. CS 420 or 484 ..... 3 s.h.
4. Choose 6 courses from CS 114 or any 300-level course or above in Computer Science (CS), Cybersecurity (CSEC), or Information Systems (IS) (except CS 302, 315, 420, 470, 483; IS 325, 405) ..... 18 s.h.

IV. Other ..... 6 s.h.
DS 303, IS 325†

V. Minor ..... 16 s.h.
Select any business minor
Note: *Students enrolled in the Cybersecurity emphasis may not minor in Cybersecurity.*

VI. Open Electives ..... 16 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) a Study Abroad program preapproved by the School.

† IS 325 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Law Enforcement and Justice Administration (B.S.)

Degree: Bachelor of Science
Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Public Safety Administration and Master of Business Administration (see page 57)

Program Faculty

Alexander, Arthur, Bailey, Baum, Bichsel, Bitner, Daugherty, Ekici, Greene, Henning, Johnson, Kelly, Lough, McCrary, Meloni, Miller, Perez, Pristera, Robbins, Schafer, Sergevnin, Villasenor, Walton, Watts, Young.

Program Description

The LEJA program at WIU, offered in-person at the Macomb campus or fully online, is the largest undergraduate law enforcement/criminal justice program in Illinois and the region. Students pursuing this course of study receive a Bachelor of Science degree in Law Enforcement and Justice Administration. The program is designed to provide professional knowledge, understanding, and skills for law enforcement criminal justice practitioners and loss prevention personnel and, at the same time, develop an educational base for further development into staff and administrative positions in criminal justice and private security agencies. The program allows the student ample flexibility for liberal and professional education to meet the anticipated needs of the criminal justice network. Most majors in the program participate in an internship for one academic semester to gain firsthand acquaintance with criminal justice agencies at the federal, state, county, and local levels. Graduates find employment in city, county, state, and federal agencies, in private security, corrections, courts, and in adult and juvenile court services.

Selection/Retention Policy

1. All students are required to take the following LEJA core courses, or their equivalents: LEJA 101, 201, 212, 255, 303, 306, 312, 345, and 357. Students must complete each course with a grade of C or better.
2. All students are required to take the following LEJA core courses, or their equivalents, before being eligible for an LEJA internship (must have earned 60 hours): LEJA 101, 201, 212, and 255; or approval from the Director.
3. LEJA majors must establish and maintain a 2.25 cumulative GPA and 2.50 GPA in the LEJA major to apply for and be assigned an internship.
4. Students having double majors of LEJA and another major are held to the same standards in LEJA as other LEJA majors.

Degree Requirements

All students seeking the Bachelor of Science in Law Enforcement and Justice Administration must complete I, II, III, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. LEJA majors must complete at least 30 s.h. in LEJA courses at WIU (including internship); at least 9 s.h. must be at the 300/400 level (no more than 3 s.h. LEJA 404). Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.
Students must take one of the following mathematics courses before they are allowed to take LEJA 303: any WIU or IAI General Education mathematics courses, or permission of the instructor.

II. Core Courses ..... 39 s.h.
LEJA 101, 201, 212, 255, 303, 306, 312, 345, 357, 490 (9 s.h.), 491, 497

III. Directed Electives ..... 3 s.h.
Any one of the following: LEJA 440†, 441†, 442†, 443†, 444†

IV. Any Approved Minor ..... 16 s.h.

V. Open Electives ..... 25 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† LEJA 440 or 441 or 442 or 443 or 444 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Liberal Arts and Sciences (B.L.A.S.)

Degree: Bachelor of Liberal Arts and Sciences
Offered by: School of Humanities
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Baker-Sperry, Carr, Hunter, Perabo.

Degree Requirements

All students seeking the Bachelor of Liberal Arts and Sciences must complete I, II, III.A or III.B, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....12 s.h.
LAS 195, 395, 495†, 498 (3 s.h.)

III. Options of Study (select A or B).....55 s.h.

A. African American Studies
Note: *Students enrolled in the African American Studies option may not minor in African American Studies.*

1. Option Course.....3 s.h.
AAS 100
2. Directed Electives.....30 s.h.
Select from AAS courses
3. Open Electives.....22 s.h.

B. Paired Minors

1. Paired Minors.....32 s.h.
Choose any two minors from within the College of Humanities, Arts, Sciences, and Education (which includes CHASE-centered interdisciplinary minors listed below). No more than two courses or 6 s.h. may be shared across selected minors. One Writing Instruction in the Disciplines (WID) course (in addition to LAS 495) must be taken from one of the Schools offering the selected minors, or ENG 380† or ENG 381†. Any two College of Humanities, Arts, Sciences, and Education minors may be paired. The current list of available minors includes:
   a. *Minors in the Humanities*: African American Studies; Creative Writing; English; Film; French; History; Latinx Studies; Philosophy; Professional Writing; Religious Studies; Spanish; Women's Studies
   b. *Minors in the Natural Sciences/Mathematics:* Botany; Chemistry; Conceptual Physics; Forensic Chemistry; Forensic Science; Geographic Information Systems; Geography; Mathematics; Microbiology; Physics; Weather and Climate; Zoology
   c. *Minors in the Social Sciences:* Anthropology; Economics; Forensic Psychology; Global Politics; Mental Health; Political Science; Psychology; Public Administration and Public Service; Sociology

d. *Interdisciplinary Minors in CHASE or housed primarily in CHASE:* Environmental Studies; Geographic Information Systems; International Studies; Law and Society;

2. Open Electives ..... 23 s.h.

IV. Any Approved Minor ..... 16 s.h.

The Multicultural Perspectives graduation requirement (p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† LAS 495 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the African American Studies option. LAS 495 and one of ENG 380, ENG 381, or other approved WID course from one of the Schools offering the selected minors fulfill the WID graduation requirement for the Paired Minors option.

Mathematics (B.S.)

Degree: Bachelor of Science
Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
GradTrac: See page 75
Integrated Degree Program(s): M.S. in Mathematics (Data Science and Statistics and Mathematics options) (see page 57)

Program Faculty

Allahyari, Andreev, Baramidze, Dimitrov, Ealy, A. Ekanayake, D. Ekanayake, Hansen, Hartweg, LaFountain, Mann, B. Petracovici, L. Petracovici, Tasdan, Turkelli.

Program Description

The Bachelor of Science in Mathematics provides a strong foundation in mathematical reasoning, problem solving, quantitative analysis, and statistics. Students may choose from four options: Mathematics, Mathematics—Teacher Education, Data Science and Statistics, or Actuarial Science. The **Mathematics option** offers advanced study in mathematics with the flexibility to pursue a focused area in a related field. The **Mathematics—Teacher Education option** integrates mathematics with professional preparation for teaching, while the **Data Science and Statistics option** combines mathematics, statistics, data science, and computer science. The **Actuarial Science option** blends mathematical and statistical training with coursework in economics, finance, and accounting. The program prepares students for careers in mathematics, education, data focused and actuarial fields, as well as for graduate study in mathematics and related disciplines.

Degree Requirements

All students seeking the Bachelor of Science in Mathematics must complete I, II, and III.A, III.B, III.C, or III.D below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

Note: *Students enrolled in this major may not minor in Applied Mathematics.*

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 21 s.h.
MATH 133, 134, 231, 311, 341; STAT 276

III. Options of Study (select A, B, C, or D)
- A. Mathematics
  - 1. Option Courses ..... 12 s.h.
    MATH 333, 355, 421, and 435
  - 2. Directed Electives ..... 13 s.h.
    - a. MATH 391† or 444† (1 s.h.) ..... 1 s.h.
    - b. Select one course from:
      MATH 481, MATH 489, STAT 471, or ENGR 372 ..... 3 s.h.

c. Three additional approved upper-division courses in a single focus area. Must include one 400-level course. Focus areas include (but are not limited to) general mathematics, applied mathematics, statistics, natural sciences, and economics. If double majoring in one of the focus areas, approved focus courses may be satisfied by the second major. May include 3–6 s.h. of internship, MATH 496. ..... 9 s.h.

3. Any Minor ..... 16 s.h.
4. Open Electives ..... 15 s.h.
5. Other ..... 6 s.h.
   a. Select one course from: CS 114, CS 214, or ENGR 220 ..... 3 s.h.
   b. Select one course designated as Multicultural Perspectives ..... 3 s.h.

B. Mathematics—Teacher Education
1. Option Courses ..... 17 s.h.
   MATH 304, 310, 355, 383, 421
2. Directed Electives ..... 5 s.h.
   a. MATH 391† or 444† (1 s.h.) ..... 1 s.h.
   b. MATH 381 or 389 ..... 1 s.h.
   c. MATH 433 or 435 ..... 3 s.h.
3. Other ..... 42 s.h.
   a. 8 s.h. science sequence ..... 8 s.h.
   b. MATH/EDUC 439 ..... 4 s.h.
   c. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
   d. ENG 366 or LA 387 ..... 2 s.h.
   e. SPED 390 ..... 3 s.h.
   f. STCH 480 ..... 12 s.h.

C. Data Science and Statistics
1. Option Courses ..... 30 s.h.
   a. MATH 383 and 489 ..... 6 s.h.
   b. STAT 471 and 472 ..... 6 s.h.
   c. DS 421 and 480 ..... 6 s.h.
   d. CS 214, 250, 320, and 433 ..... 12 s.h.
2. Directed Electives ..... 13 s.h.
   a. MATH 391† or 444† (1 s.h.) ..... 1 s.h.
   b. MATH 495 or 496 ..... 3 s.h.
   c. Select one course from: MATH 255, MATH 355, or CS 351 ..... 3 s.h.
      Note: *CS 351 is a prerequisite for CS 460 and 470. Students who plan to take either (or both) of these courses in section C.2.d must complete CS 351 in this section.*
   d. Select two courses from: CS 217, 460, 463, 470, 481; DS 435, 490; MATH 483, 488; STAT 474, 478 ..... 6 s.h.
3. Open Electives ..... 19 s.h.

D. Actuarial Science
1. Option Courses ..... 30 s.h.
   a. MATH 383 and 370 ..... 6 s.h.
   b. STAT 471, 472, and 474 ..... 9 s.h.
   c. ACCT 201; FIN 331 ..... 6 s.h.
   d. ECON 231 and 232 ..... 6 s.h.
   e. CS 214 ..... 3 s.h.

2. Directed Electives ..... 10 s.h.
   a. MATH 391† or 444† (1 s.h.) ..... 1 s.h.
   b. Select 9 s.h. from approved Computer Science (CS), Decision Sciences (DS), Finance (FIN), Mathematics (MATH), or Statistics (STAT) courses. Must include 3 s.h. from MATH/STAT courses (may include 3–6 s.h. of internship, MATH 496) ..... 9 s.h.
3. Other ..... 3 s.h.
   Select one course designated as Multicultural Perspectives
4. Open Electives ..... 19 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† MATH 391 or MATH 444 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Engineering and Technology
Location(s): Quad Cities

Program Faculty

El-Zein, Gravitt, Hall, Kim, Obregon, Shin, Zbeeb,

Program Description

The Bachelor of Science in Mechanical Engineering is accredited by the Engineering Accreditation Commission of ABET, *https://www.abet.org*, under the General Criteria and Program Criteria for Mechanical Engineering Programs. Mechanical Engineering is one of the oldest and broadest of the engineering disciplines. The B.S. in Mechanical Engineering degree program builds upon a foundation of solid mechanics, fluid mechanics, and thermodynamics. The degree offers areas of emphasis in Design Engineering, Manufacturing Engineering, and Robotics Engineering. An elective course in Additive Manufacturing — 3D printing is available for all three emphases.

Degree Requirements

All students seeking the Bachelor of Science in Mechanical Engineering must complete I, II, III.A or III.B or III.C, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.
(To include MATH 133 and 134)

II. Core Courses^ ..... 54 s.h.
ENGR/ET 105; ENGR 211@, 212&, 220%, 251, 271, 300, 310, 320, 322, 340, 351, 411, 440, 490† (4 s.h.), 491; ENGR/SCM 457; ET 363

III. Emphases of Study^ (select A, B, or C) ..... 6 s.h.
- A. Design Engineering
  Select 6 s.h. from the following courses:
  ENGR 410, 481, 482; ET 468 ..... 6 s.h.
- B. Manufacturing Engineering
  Select 6 s.h. from the following courses:
  ENGR 345, 481, 482; ET 468 ..... 6 s.h.
- C. Robotics Engineering
  Select 6 s.h. from the following courses:
  ENGR 470, 472, 481, 482 ..... 6 s.h.

IV. Other Requirements^ ..... 22 s.h.
- A. CHEM 201 ..... 4 s.h.
- B. MATH 231 and 333 ..... 7 s.h.
- C. PHYS 211 and 213 ..... 8 s.h.
- D. One additional Chemistry or Physics course ..... 3 s.h.
  Select a minimum of 3 s.h. from the following courses:
  CHEM 202; PHYS 300, 305, or 406

V. Open Elective ..... 1 s.h.

Note: *MATH 311 is highly recommended for students who want to complete a minor in Mathematics. PHYS 300 is highly recommended for students who want to complete a minor in Physics.*

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language

requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

^ Mechanical Engineering majors must complete each ENGR core course, emphasis course, directed elective course, and all directed mathematics and science courses (or equivalent transfer course) with a grade of C or better.

@ Students may also fulfill this requirement through the completion of PHYS 310 with a grade of C or better. See advisor.

& Students may also fulfill this requirement through the completion of PHYS 311 with a grade of C or better. See advisor.

% Students may also fulfill this requirement through the completion of CS 225 with a grade of C or better. See advisor.

† ENGR 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
GradTrac: See page 75
Integrated Degree Program(s): M.S. in GIScience and Geoenvironment (see page 57)

Program Faculty

Choi, Finch, Markham, Mayborn, Merrett, Sutton, Thompson.

Program Description

Meteorology is the study of the physical characteristics of the lower atmosphere and the processes that are responsible for generating the weather. Students who complete the major are exposed to concepts, methodologies, and practical applications related to weather analysis and forecasting, as well as numerous environmental applications. Meteorology students use specialized equipment including instrumentation and computer applications associated with weather observations, weather radar, and remotely-sensed information.

Students who want to become professionals in meteorology-related fields should select the Applied Meteorology option. Students who want to pursue careers with the National Weather Service or want to go to graduate school should select the Operational Meteorology option.

Career opportunities are found in both public and private sectors, as well as in teaching. Among government agencies employing meteorologists are the Defense Mapping Agency, Environmental Protection Agency, Central Intelligence Agency, Bureau of the Census, National Weather Service, Army Corps of Engineers, and state, regional, and local planning agencies. Private employers include economic and environmental consulting firms, mapping and aerial survey companies, meteorological and climatological consulting firms, and environmental engineering firms.

Degree Requirements

All students seeking the Bachelor of Science in Meteorology must complete I, II, and III.A or III.B below, and the Foreign Language/Global Issues requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Weather and Climate.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include MATH 133 and METR 120)

II. Core Courses..... 22 s.h.
GEOG 301, 405†; GIS 202; METR 322, 327, 329, 425

III. Options of Study (select A or B)..... 61 s.h.
- A. Operational Meteorology
  - 1. Option Courses..... 26 s.h.
    MATH 134, 231; METR 422, 429, 432; PHYS 211, 212
  - 2. Directed Electives
    - a. Select one of the following courses:..... 3 s.h.
      GIS 403; MATH 333; METR 300
    - b. Select a minimum of 9 s.h. from the following courses:..... 9 s.h.
      CHEM 201; CS 114; GEOG 430; GEOL 115, 380; GIS 403; METR 220, 300, 333, 337; PHYS 354
  - 3. Open Electives..... 23 s.h.

B. Applied Meteorology
   1. Option Courses ..... 9 s.h.
      GEOG 430; METR 220, 337
   2. Directed Electives
      a. Select 3 s.h. from the following courses: ..... 3 s.h.
         GEOG 497, 499
      b. Select 9 s.h. from the following courses: ..... 9 s.h.
         AGEC 447; BC&J 201, 340, 410, 430; CHEM 201;
         CS 114, 214; EM 251, 252, 276; FIN 311; GEOG 251;
         GEOL 115, 380; GIS 202, 405; HLTH 251; MATH 134,
         231, 333; METR 300, 333, 422, 429, 432; PHYS 212, 354;
         POLS 300, 302
   3. Any Minor ..... 16 s.h.
   4. Other ..... 4 s.h.
      PHYS 124 or 211
   5. Open Electives ..... 20 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) a designated Multicultural Perspectives course; or 3) an approved Study Abroad program.

† GEOG 405 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science in Education
Offered by: School of Education
Location(s): Macomb
GradTrac: Mathematics Endorsement, Science Endorsement, and Social Studies Endorsement emphases (see page 75)

Program Faculty

G. Daytner, K. Daytner, Delany-Barmann, Gabbei, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, McKenzie, Paciotto, Pavez, Rouse, Sharma, Sheffield, Sheng, Singh, Stevens, Szyjka.

Program Description

This degree is for students seeking to be licensed teachers in the public school and educational settings at the middle school level (Grades 5–8). The degree includes courses in disciplinary content, instructional planning, assessment, and content pedagogy. Students may choose from four options within the program: language arts, mathematics, general science, or social science.

Degree Requirements

All students seeking the Bachelor of Science in Education with a major in Middle Level Education must complete I, II, III.A or III.B or III.C or III.D, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include one of MATH 101, MATH 102, MATH 123, or STAT 171)

II. Core Courses..... 47 s.h.
C&I 170 (1 s.h.), 270 (1 s.h.), 370 (1 s.h.), 470 (4 s.h.); EDS 110 (3 s.h.), 202, 305, 306, 401, 403, 428; LA 384†, 388; SPED 390; STCH 462 (12 s.h.)

III. Emphases (select A, B, C, or D)..... 24 s.h.
- A. Literacy Endorsement Emphasis
  Minor in Middle Level Literacy Teaching..... 24 s.h.
- B. Mathematics Endorsement Emphasis
  Minor in Middle Level Mathematics Teaching..... 24 s.h.
- C. Science Endorsement Emphasis
  Minor in Middle Level Science Teaching..... 24 s.h.
- D. Social Studies Endorsement Emphasis
  Minor in Middle Level Social Studies Teaching..... 24 s.h.

IV. Open Electives..... 12 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; 3) ENG 358 [recommended

for Literacy Endorsement emphasis]; or 4) ANTH 110 [recommended for Social Studies Endorsement emphasis].

† LA 384 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Music
Offered by: School of Visual and Performing Arts
Location(s): Macomb
GradTrac: Applied Music option (see page 75)

Program Faculty

Ashe, Baker, Bean, Cangro, Chadwell, Chasteen, Chin, Chinen, Fansler, Gardner, Gillotti, Hardeman, Hawkins, Hughes, Kurasz, Land, Landowski, Locke, Mihai, Nichols, Romig, Szabo, Thomas, Turner, Walker, Winnie.

Program Description

Western Illinois University has been an accredited member of the National Association of Schools of Music since 1961 and offers a Bachelor of Music degree with options in Applied Music (performance, jazz, composition), Music Business, Music Therapy, and Music Teacher Education. Students may elect to study in keyboard, voice, winds, strings, and percussion as well as specialized study in jazz and composition. Certification as a music therapist is available through the Certification Board for Music Therapists (CBMT). The School of Music also offers minors in Liberal Arts Music, Music Business, and Jazz Studies. All majors and minors (except Music Business minor) must pass entrance performance auditions.

The Music Teacher Education option prepares students to teach Music in the public schools. All Music Education students must appear before the Student Teaching Committee of the School of Music for evaluation of competencies and skills prior to student teaching. Final approval for student teaching is granted only by this committee. Students may obtain Illinois K–12 licensure in Music by completing degree requirements and state licensure tests.

International students seeking admission into the School of Music must have the following scores in English proficiency tests: IBT TOEFL 79 or paper TOEFL 550 or IELTS 6.5.

Degree Requirements

All students seeking the Bachelor of Music must complete I and II, plus III.A, III.B, III.C, or III.D below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70).....37 s.h.
Option D, Teacher Education, should include a General Education Mathematics course.

II. Core Courses.....22 s.h.
   A. MUS 165, 166, 181, 182, 183, 184, 281, 282, 283, 284, 330, 390†, 391†
   B. Seven semesters of MUS 100 with a satisfactory grade (S) are required for graduation. Transfer students require as many semesters of MUS 100 with a satisfactory grade (S) as they are in residence minus one semester

(example: a student in residence for five semesters must complete four semesters of MUS 100 with a grade of S).

III. Options of Study (select A, B, C, or D)
  A. Applied Music—Choose principal 1, 2, 3, 4, 5, or 6 as approved by advisor)
    1. String Performance
      a. Special Courses.....12 s.h.
      MUS 265, 266, 381, 461 (2 s.h.), 483, and 492
      b. Music Electives..... 9 s.h.
      Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
      c. Music Ensembles..... 8 s.h.
      Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.
        1) Violin, Viola, Cello, and Bass: 8 s.h. total in MUS 101 and 102
        2) Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128
      d. Applied Study.....24 s.h.
      Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
      e. Music Electives..... 8 s.h.
    2. Wind/Percussion Performance
      a. Special Courses.....11 s.h.
      MUS 265, 266, 332, 381, 483, and 490 (1 s.h.)
      b. Music Electives..... 9 s.h.
      Choose 9 s.h. from the following MUS courses: MUS 301, 331, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
      c. Music Ensembles..... 8 s.h.
      Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.
        1) 8 s.h. total; minimum of 6 s.h. in MUS 101, 113, or 114
        2) Trumpet, Trombone, and Saxophone principals may satisfy 2 s.h. out of the total 8 s.h. required by registering for MUS 117
      d. Applied Study.....24 s.h.
      Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).
      e. Music Electives..... 9 s.h.
    3. Piano Performance
      a. Special Courses.....12 s.h.
      MUS 167, 381, 465, 466, 495, and 496
      b. Music Electives..... 9 s.h.
      Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489
      c. Music Ensembles..... 8 s.h.
      Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.

1) 4 s.h. total in MUS 101, 102, 105, 106, 113, 114, 116, or 117
2) 2 s.h. of MUS 125
3) 2 s.h. of MUS 127 or 129

d. Applied Study ..... 24 s.h.
Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).

e. Music Electives ..... 6 s.h.

f. Open Electives ..... 2 s.h.

4. Vocal Performance

a. Special Courses ..... 19 s.h.
1) MUS 262, 263, 265, 266, 381
2) Choose 8 s.h. of foreign language skills courses in any combination (F L, FR, GER, PORT, SPAN)
3) MUS 499

b. Music Electives ..... 9 s.h.
Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 481, 482, 485, 489

c. Music Ensembles ..... 8 s.h.
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement.
1) Minimum of 6 s.h. in MUS 105 or 106
2) By advisor approval, 1–2 s.h. out of the total 8 s.h. required may be satisfied by performing major operatic roles in MUS 109

d. Applied Study ..... 24 s.h.
Students must complete 2 s.h. of 200-level study per semester for four semesters and 4 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).

e. Open Elective ..... 1 s.h.

5. Jazz Studies

a. Special Courses ..... 16 s.h.
MUS 167, 187, 194, 248, 265, 266, 367, 387, and 444

b. Music Electives ..... 9 s.h.
Choose 9 s.h. from the following MUS courses: MUS 141, 195*, 301, 331, 332, 341, 342, 343, 344, 345, 348, 403, 451, 481, 482, 483, 485, 489

c. Music Ensembles ..... 8 s.h.
Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement:
8 s.h. in MUS 117, 127, or 128

d. Applied Study ..... 16 s.h.
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for four semesters on their principal instrument. Must complete one half (shared) junior recital and one full senior solo recital (MUS 402).

e. Music Electives ..... 9 s.h.

f. Open Electives ..... 3 s.h.

6. Composition
   a. Special Courses ..... 24 s.h.
      MUS 215 (2 s.h.), 265, 266, 381, 411 (8 s.h.), 481, 483, and 485
   b. Music Electives ..... 9 s.h.
      Choose 9 s.h. from the following MUS courses: MUS 301, 331, 332, 342, 343, 344, 345, 348, 403, 444, 451, 482, 489
   c. Music Ensembles ..... 8 s.h.
      Students must participate on their principal instrument unless otherwise required. No more than one ensemble per semester may be used to satisfy the ensemble requirement. Minimum of 4 s.h. in MUS 101, 105, 106, 113, 114, or 117
   d. Applied Study ..... 16 s.h.
      Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for four semesters on their principal instrument.
   e. Music Electives ..... 5 s.h.

B. Music Business
1. Special Courses ..... 18 s.h.
   MUS 141, 195*, (248 or 485), 341, 345, 441, 442 (3 s.h.), 444
2. Music Ensembles ..... 8 s.h.
   Students must register each semester for credit and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. No more than one ensemble per semester may be used to satisfy the ensemble requirement. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director
   a. Winds/Percussion: 6 s.h. minimum in MUS 101, 113, 114, 116, 117
   b. Strings: 6 s.h. minimum in MUS 101 or 102
   c. Piano: 4 s.h. in MUS 101, 105, 106, 113, 114, 116, or 117; 2 s.h. in MUS 125; 2 s.h. in MUS 127 or 129
   d. Voice: 4 s.h. minimum in MUS 105 or 106; 2 s.h. minimum in MUS 105, 106, 107, 108, or 109
   e. Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128
3. Applied Study ..... 12 s.h.
   Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.
4. Other Requirements ..... 21 s.h.
   ACCT 200 or 201; BCOM 320 or MGT 349; CS 101, 302; ECON 232*; MKTG 327; PSY 100*
5. Directed Electives ..... 9 s.h.
   Select 9 s.h. from:
   HRM 353, 441, 442, 443, 444, 446, 449
   MGT 350, 445, 448, 474, 481, 483, 485
   MKTG 317, 333, 335, 371, 417, 431, 433, 441

C. Music Therapy
1. Special Courses ..... 34 s.h.
   MUS 151, 157, 158, 162, 254, 255, 258 (1 s.h.), 261, 264, 268, 354, 355, 358 (2 s.h.), 451, 452, 453, 454, 455, 457 (4 s.h.), 458 (1 s.h.)
2. Music Ensembles ..... 8 s.h.
   Students must register each semester for credit and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. No more than one ensemble per semester

may be used to satisfy the ensemble requirement. At least 1 s.h. of the total number of ensemble hours must be fulfilled by singing in MUS 105, 106, 107, or 108. After the principal instrument and singing requirements have been met, students may choose any University catalog ensemble to complete the total 8 s.h.
   a. Winds/Percussion: 6 s.h. minimum in MUS 101, 113, 114, 116, 117
   b. Strings: 6 s.h. minimum MUS 101 or 102
   c. Piano: 4 s.h. in MUS 101, 105, 106, 113, 114, 116, or 117; 2 s.h. in MUS 125; 2 s.h. in MUS 127 or 129
   d. Voice: 4 s.h. minimum in MUS 105 or 106; 2 s.h. minimum in MUS 105, 106, 107, 108, or 109
   e. Guitar: 4 s.h. in MUS 101, 105, 106, 113, 114, or 117; 4 s.h. in MUS 127 or 128
3. Applied Study.....12 s.h.
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.
4. Other requirements of certifying music therapy association.....16 s.h.
BIOL 100* or 101 or 204; KIN 290; PSY 100*, 424; SOC 100*

D. Music—Teacher Education
1. Special Courses.....10 s.h.
MUS 130, 300, 333, 334, 394
2. Applied Study.....12 s.h.
Students must complete 2 s.h. of 200-level study per semester for four semesters and 2 s.h. of 400-level study per semester for two semesters on their principal instrument.
3. Directed Electives.....28–31 s.h.
Choose a or b, as approved by advisor
   a. Instrumental/General
      1) MUS 131; 132 or 461; 133; 135; 137; 138; 232
      2) Choose one course from MUS 194, 195*, 337
      3) MUS 332, 336, 395; 430 or 461
      4) Music Ensembles:
      Students must register for an ensemble each semester in residence and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. This requirement must be completed over a minimum span of 7 semesters. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director.
         a) Wind/Percussion: 8 s.h. total; minimum of 6 s.h. in MUS 101, 113, 114, or 117 (maximum 3 s.h. in MUS 117); minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108
         b) Piano: 8 s.h. total; minimum of 3 s.h. in MUS 101, 113, 114, or 117; minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108; minimum of 3 s.h. in MUS 125, 127, or 129
         c) Guitar: 8 s.h. total; minimum of 3 s.h. in MUS 101, 113, 114, or 117; minimum of 1 s.h. in MUS 116; minimum of 1 s.h. in MUS 105, 106, 107, or 108; minimum of 3 s.h. in MUS 127 or 128
         d) Strings: 8 s.h. total; minimum of 7 s.h. in MUS 101 or 102; minimum of 1 s.h. in MUS 105, 106, 107, or 108

b. Choral/General
   1) MUS 131; 132; 133 or 134; 135 or 136; 137; 138; 232; 262; 265; 266; 331; 335; 396
   2) Choose one course from MUS 194, 195*; THEA 497
   3) Music Ensembles:
      Students must register for an ensemble each semester in residence and successfully complete the ensembles specified below until the 8 s.h. ensemble requirement is met. This requirement must be completed over a minimum span of 7 semesters. Students must participate on their principal instrument for the number of hours specified below unless indicated otherwise by the ensemble director.
      a) Voice: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; minimum of 1 s.h. in MUS 107, 108, or 109
      b) Piano: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; 2 s.h. in MUS 125, 127, or 129
      c) Guitar: 8 s.h. total; minimum of 6 s.h. in MUS 105 or 106; 2 s.h. in MUS 127 or 128

4. Professional Education ..... 27 s.h.
   a. EDUC/MUS 439
   b. EDS 202, 301, 304 (2 s.h.), 401
   c. LA 387
   d. STCH 480 (6), 481 (6)

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing MUS 390.
* Specific requirements from the University General Education Curriculum.
** The tech course that includes the student's principal instrument does not count toward the required 7 s.h.
† MUS 390 and MUS 391 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Fine Arts
Offered by: School of Visual and Performing Arts
Location(s): Macomb

Program Faculty

Ames, Blackinton, Conner, Fox, House, Kamminga-Peck, Killian, Laney, Lefter, Mickelson, Schmidt, Wipperling, Wright, Wroblewski.

Program Description

The **B.F.A. in Musical Theatre** degree program is a comprehensive pre-professional training program, teaching students to combine and synthesize the areas of singing, acting, and dancing. Students in the Musical Theatre program are afforded a variety of in-class and onstage performance opportunities throughout the undergraduate career, culminating in a final senior project. A professional summer experience is an integral part of the requirements for graduation.

Program Admission

Admission to the program is by audition only. In order to be admitted to the B.F.A. program, students will present two contrasting songs, two contrasting monologues, and be prepared to learn a dance combination. The audition also qualifies the students for consideration for School scholarships. Auditions are held on campus in the Fall and the Spring. Video auditions may also be considered.

Other Requirements

Students accepted into the B.F.A. in Musical Theatre program must pass a proficiency test on basic music skills. All B.F.A. students also participate in an annual proficiency exam (at the end of the Spring semester) involving all three skill areas (acting, singing, and dancing), and may be put on probation in one or more areas. Those put on probation must pass a Fall proficiency exam the following semester in the area(s) of weakness. Faculty may provide individual guidance and coaching through this probationary process. After the Fall proficiency, students are either removed from probation or asked to leave the program. B.F.A. students also successfully pass voice juries in the School of Visual and Performing Arts at the end of each semester.

Degree Requirements

All students seeking the Bachelor of Fine Arts in Musical Theatre must complete I, II, and III below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 126 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....75 s.h.
THEA 101, 130, 171, 172, 176, 230, 270, 271, 274, 276, 311, 330, 430 (1 s.h.), 476, 479 (6 s.h.), 492, 497†, 499; MUS 216 (8 s.h.), 416 (8 s.h.); DAN 110, 112, 113, 116, 212, 216, 316

III. Directed Electives.....20 s.h.
A. Theatre Electives.....minimum 5 s.h.
THEA 150, 151, 269, 273, 337, 372, 373, 381, 390, 391, 392, 470, 472, 473, 479

B. Music Electives ..... minimum 5 s.h.
MUS 105, 106, 107, 108, 109, 141, 181, 190*, 194, 195*, 196, 242, 248, 394

C. Dance Electives ..... minimum 5 s.h.
DAN 117, 119, 210, 213, 219, 310, 313, 413

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural, including THEA 390; or 3) an approved Study Abroad program.

* May count toward the University General Education requirement.

† THEA 497 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science in Nursing
Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Bartlett, Downs, Eathington, Edmunds, Fox, Frederick, Harden, Knowles, McCoy, Nash, Pollock, Powell, K. Thompson, L. Thompson.

Program Description

The Nursing program at Western Illinois University is committed to educating future professional nurses who are clinically competent using evidence-based practice as the norm, capable of critical thinking using information and information technology to design and redesign care and care systems, and ethically and legally accountable for their actions. The School offers a Bachelor of Science in Nursing (B.S.N.) for pre-licensure students. The baccalaureate degree in nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE), 655 K Street NW, Suite 750, Washington, DC 20001, (202) 887-6791, *http://www.ccneaccreditation.org*.

Acceptance into the Nursing Major

1. Upon being admitted to Western Illinois University, students indicating a desire to be considered for admission into the Nursing program will be granted one of the following options:
    a. Early provisional admission into the Nursing major
    b. Accepted in the Pre-Nursing program and required to complete criteria for admission to the Nursing major
2. Complete all General Education and Nursing support course requirements.
3. Students in the Pre-Nursing program must submit a formal application to the Nursing major.

Pre-Licensure Program

Prospective Nursing students must apply for and be granted regular admission to Western Illinois University and declare Pre-Nursing after acceptance to the University.

Admission to the Nursing Program

Individuals who wish to major in Nursing and enter the Pre-Nursing program will declare their intent with Admissions. If a student is not selected for early provisional admission to the Nursing program or placed in the Pre-Nursing program, the student is placed in a program where the General Education and Nursing support course requirements can be completed. All General Education and Nursing support courses must be satisfactorily completed by August 1 for Fall semester admission and January 2 for Spring semester admission into the Nursing major.

There is no guarantee that students who are in the Pre-Nursing program will be admitted to the Nursing major. Please note that admission to the Nursing major is highly competitive. Students who have completed 60 semester hours of the General Education and support courses or are in the final semester of completing the requirements may formally apply to the Nursing program for admission to the Nursing major.

Early Provisional Admission to the Nursing Major

New freshmen may be selected for early provisional admission to the Nursing major on the basis of their application to the Nursing program. Students selected for early provisional admission into the Nursing major typically have a high school GPA of 3.75 or higher (on a 4.0 scale). Students are accepted into the major on a competitive and selective basis; however, students selected for early provisional admission are guaranteed placement into the Nursing major. To maintain early provisional admission into the Nursing major status, students must maintain an overall WIU GPA and a Nursing support course GPA of 3.0 (on a 4.0 scale) or higher. Students admitted via the Early Provisional Admission classification must be enrolled full-time at Western Illinois University while completing their prerequisite coursework and General Education requirements unless they receive prior approval from their academic advisor. Failure to do so could result in dismissal from the program. The number of students admitted into the major may vary from year to year, depending on program capacity and qualifications of students in the pool. Students granted early provisional admission into the major will complete the admission packet and submit the required paperwork by March 1.

Admission to the Nursing Major

This program is highly competitive. Meeting or exceeding the minimum requirements does not guarantee admission. Students who wish to apply to the Nursing program for admission to the Nursing major must:

1. Have a completed application on file with the Nursing Centralized Application Service (Nursing CAS) no later than March 1 for admission to the next Fall semester and October 1 for admission to Spring semester.
2. Provide evidence of English language proficiency by obtaining a satisfactory score on the Test of English as a Foreign Language (TOEFL) by August 1 for Fall semester admission or by January 2 for Spring semester admission. A satisfactory minimum passing TOEFL score is 4.5 on the internet Based Version (iBT). Only students whose native language is English are exempt from the English proficiency requirements.
3. Complete all General Education and Nursing support course requirements by August 1 for Fall semester admission, January 2 for Spring semester admission.
4. Have a minimum cumulative GPA of 3.0 on a 4.0 scale for all post-secondary coursework. The Nursing support courses must have a grade of C (2.0) or better. Applicants who have completed advanced, rigor-intensive coursework in science and mathematics may be eligible for holistic review with a cumulative GPA of 2.95 or higher, provided their academic performance in these courses demonstrates readiness for the demands of the Nursing curriculum; such determinations are made at the discretion of the Nursing Admissions, Progression and Retention Committee.
5. All Nursing and Nursing support courses must be completed within the last five years. For Nursing courses and/or Nursing support courses more than five years old, the student must submit a portfolio to the Nursing Program Committee for Admission, Progression and Retention. This portfolio is to detail the student's work experiences and continuing education (CE) (requires documentation) since completing the course(s). The five-year requirement may be waived for those students who have maintained continuous work experience related to the Nursing support courses or have continuous continuing education (CE) in Nursing related to the Nursing support courses since completing the courses. Individuals without documented current knowledge may be required to take current Nursing support courses (see page 198).

6. Secure letters of reference from two professional references: one academic (i.e., instructor or professor) and one employer (i.e., supervisor). If there has been no employment, students may submit letters from two instructors/professors.
7. By August 1 before Fall semester admission, provide documentation to Certified Background for verification that all University health and safety requirements have been met. (Students are responsible for all costs incurred for admission as well as ongoing health requirements.) The deadline for Spring semester admission is January 2. Students must document that all health and safety requirements for admission to the Nursing program have been met. Health requirements are different from the standard University requirements.
8. Students are responsible for all costs incurred for admission as well as ongoing safety requirements.
    a. Criminal background check—All applicants are required to submit to a criminal background check. Details will be given to the student upon admission to the program.
    b. Drug screen—All applicants are required to be drug tested on admission with random drug screens thereafter.
    c. Applicants with a felony conviction or a positive drug screen may be denied entry into the clinical facility for clinical practice. If a student is denied entry into a clinical facility due to a felony conviction or positive drug screen, the student must withdraw from the program.

Students who do not meet the August 1 and/or the January 2 deadlines may be allowed to begin in the Fall semester if space is available. If space is not available, the student must reapply during the next admission process.

Retention in Nursing Major

1. All students who are admitted to the Nursing program must attend a mandatory orientation session to be held on the first day of classes. This is an all-day session. Failure to attend orientation will result in the student being dropped, and the student will have to reapply the following admission cycle.
2. A student must earn a minimum grade of C+ (2.33) in all Nursing and support courses. If a student fails to earn a minimum grade of C+ (2.33) in any Nursing or support course, the student may repeat only a single course and only one time. If a student earns less than a C+ (2.33) in more than one support course and one Nursing course, the student will be dismissed from the Nursing program.
3. After acceptance into the Nursing program, each student must maintain a cumulative GPA of 3.0 on a 4.0 scale for the coursework in the Nursing major to remain in the Nursing program. Students with less than a 3.0 GPA for coursework completed after admission to the Nursing major will be dismissed from the Nursing program. In addition, students must meet the standards of professionalism and safe clinical practices as identified in the Western Illinois University Nursing Program Student Handbook. Students who fail to meet the policies and standards outlined in the Nursing Program Student Handbook will be dismissed from the Nursing program. A student who has been dismissed from the program may appeal to the Nursing Program Committee for Admission, Progression, and Retention for readmission to the program. If the committee grants readmission, the student will develop a plan for remediation and continued success with the Nursing academic advisor subject to approval by the Committee for Admission, Progression, and Retention.

4. To register for Nursing courses, students are required to have up-to-date health and safety data on file with Castle Branch. Students will not be allowed in the clinical courses without up-to-date health and safety requirements met.

Nursing Licensure

Upon graduation, students must successfully pass the National Council Licensure Examination for Registered Nurses (NCLEX–RN) in order to become a licensed Registered Nurse. Students should plan to take the NCLEX–RN as soon after graduation and completion of their review course as possible.

Degree Requirements

All students seeking the Bachelor of Science in Nursing must complete I, II, III, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.
(To include BIOL 100; CHEM 114; PHIL 120; PSY 100, 221; SOC 100; and STAT 171)

II. Nursing Support Courses .....15 s.h.
MICR 200; NUTR 109; ZOOL 330, 331

III. Core Courses.....20 s.h.
NURS 302, 316#, 321, 408†, 415, 416, 461

IV. Licensure Courses.....44 s.h.
NURS 301, 304, 306, 307, 322, 326, 327, 328, 410, 422, 424, 425, 428

V. Directed Elective..... 2 s.h.
Select one course from: NURS 379, 430, 431, 433, 435, 438, 440, 441, 442

VI. Open Electives ..... 2 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing NURS 316.

† NURS 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Bezold, Bories, Kanauss, Kovacs, Oden, Plos, Polubinsky, Shupe, Wen.

Program Description

The ***Nutrition and Dietetics*** degree program's mission is to prepare graduates with the knowledge expected of those entering a supervised practice program leading to eligibility for the CDR credentialing exam to become a registered dietitian nutritionist. The curriculum is designed to facilitate the intellectual, personal, and professional growth of students and to encourage them to be lifelong learners. The Nutrition and Dietetics program is accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), located at the headquarters of the Academy of Nutrition and Dietetics at 120 Riverside Plaza, Suite 2000, Chicago, IL 60606; telephone (800) 877-1600. Graduation is based on completion of requirements of the accredited Nutrition and Dietetics major requirements and fulfillment of University requirements.

Admission

1. To be accepted into the Bachelor of Science in Nutrition and Dietetics program, a student must have a minimum cumulative 2.75 GPA.
2. After admission into the Bachelor of Science in Nutrition and Dietetics program, each student must maintain a cumulative GPA of 2.75 or higher on a 4.00 scale to be retained in the Nutrition and Dietetics program. Students with less than a 2.75 GPA after admission to the Nutrition and Dietetics program will be dismissed from the program.
3. Students must have a cumulative GPA of 2.75 or higher on a 4.00 scale to receive a verification statement from the Nutrition and Dietetics program.

Requirements to Become a Registered Dietitian

1. Complete an ACEND accredited dietetics undergraduate program achieving all of the ACEND 2022 Standards/Knowledge for Registered Dietitian Nutritionists (KRDNs)
2. Receive a verification form from the Dietetics Program Director
3. Apply and receive acceptance into an accredited Dietetic Supervised Practice Program
4. Complete the Supervised Practice Program
5. Complete a graduate degree program (included in most Supervised Practice Programs)
6. Pass the Commission on Dietetic Registration (CDR) credentialing exam

Degree Requirements

All students seeking the Bachelor of Science in Nutrition and Dietetics must complete I, II, III, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Nutrition.*

Nutrition and Dietetics (B.S.)

I. University General Education Requirements (p. 70) ..... 37 s.h.
(To include CHEM 101; PHIL 120, 140; PSY 100; SOC 200; ZOOL 200; and one of ECON 100, 231, or 232)

II. Core Courses ..... 54 s.h.
NUTR 109, 209, 220, 300, 301, 305, 306, 308, 320, 404, 405, 406, 409, 410, 420, 438; NUTR/HLTH 407, 408†, 411

III. Other ..... 30 s.h.
- A. CHEM 102, 221 ..... 8 s.h.
- B. HRM 353 ..... 3 s.h.
- C. HLTH 410 ..... 3 s.h.
- D. KIN 290, 291 ..... 6 s.h.
- E. MGT 349 ..... 3 s.h.
- F. MICR 200 ..... 4 s.h.
- G. STAT 171* or equivalent ..... 3 s.h.
- H. FR/GER/SPAN 224* (recommended)

IV. Open Elective ..... 1 s.h.

* May count toward the University General Education Curriculum requirement.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing NUTR 300.

† NUTR/HLTH 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Bezold, Bories, Kanauss, Kovacs, Oden, Plos, Polubinsky, Shupe, Wen.

Program Description

The ***Nutrition and Foodservice Management*** degree program provides students with the competencies, knowledge, and experiences required of nutritional and foodservice professionals working in nutrition services and the foodservice industry. Career opportunities exist in hospitals, long-term care, schools, correctional facilities, senior living facilities, and other commercial and noncommercial foodservice industries. The curriculum covers areas such as the science of food and human nutrition, the principles and practices of food production, foodservice operation systems, and safety and sanitation. Opportunities to participate in professional meetings, advisory council seminars, field trips, travel tours, Study Abroad programs, and to complete an internship program exist for all students.

Degree Requirements

All students seeking the Bachelor of Science in Nutrition and Foodservice Management must complete I, II, III, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Nutrition.*

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include PHIL 120, 140; PSY 100; SOC 200; STAT 171; ZOOL 200; and one of ECON 100, 231, or 232)

II. Core Courses..... 51 s.h.
- A. HM 356, 359..... 6 s.h.
- B. NUTR 109, 203, 209, 220, 300, 305, 308, 320, 404, 420, 438, 440; NUTR/HLTH 408†..... 42 s.h.
- C. RSTA 482..... 3 s.h.

III. Directed Electives..... 10 s.h.
Select 10 s.h. from the following courses:
NUTR 301, 306, 379, 405, 411, 450 (Healthy Cooking), 450 (Sports Nutrition), 450 (Weight Management); RSTA 450

IV. Other..... 22 s.h.
- A. HM 354, 451..... 6 s.h.
- B. HRM 353..... 3 s.h.
- C. MGT 349..... 3 s.h.
- D. MICR 200..... 4 s.h.
- E. NUTR 206; NUTR/HLTH 407..... 6 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing NUTR 300.

† NUTR/HLTH 408 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Physical Education (B.S.)

Degree: Bachelor of Science
Offered by: School of Education
Location(s): Macomb
GradTrac: See page 75

Program Faculty

G. Daytner, K. Daytner, Delany-Barmann, Gabbei, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, McKenzie, Paciotto, Pavez, Rouse, Sharma, Sheffield, Sheng, Singh, Stevens, Szyjka.

Program Description

This degree program leads to Illinois state licensure in grades PK–12. Courses include biomechanics; coaching; dance and creative movement; exercise physiology; health-related fitness; human anatomy and physiology; individual and team sports; motor learning, behavior, and development; physical education curriculum design; physical education for special populations; safety in physical education; and methods, assessment, and evaluation in physical education.

Degree Requirements

All students seeking the Bachelor of Science in Physical Education must complete I, II, III, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Teacher Education will require additional hours. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70) ..... 37 s.h.
Must include a General Education mathematics course

II. Core Courses ..... 56 s.h.
- A. PETE 120, 135, 145, 155, 215, 225, 235, 245, 249, 265, 325, 364, 365, 393, 438 ..... 38 s.h.
- B. KIN 270, 290, 359, 369, 391, 392 ..... 18 s.h.

III. Other ..... 25 s.h.
- A. LA 387 ..... 2 s.h.
- B. EDUC 239, 339, 469; PETE 439† ..... 3 s.h.
- C. EDS 202, 301, 401 ..... 8 s.h.
- D. STCH 480 (6) and 483 (6) ..... 12 s.h.

IV. Open Electives ..... 2 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† PETE 439 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Natural Sciences
Location(s): Macomb
GradTrac: Standard Physics option (see page 75)

Program Faculty

Babu, A. Kapale, K. Kapale, Mallur, Wang.

Program Description

In the Bachelor of Science program, students gain experience in dealing with a broad range of physical phenomena. They learn the laws of Physics and develop the theoretical, computational, and experimental skills necessary to apply these laws to a wide range of phenomena. With a Bachelor of Science degree in Physics, a student is prepared to do design and development work in industry or a government laboratory or to teach high school science and Physics. Students planning to do Physics research or to teach at the university level should study further and obtain an M.S. or Ph.D. degree.

Dual Program

A dual program in Engineering is available for Physics majors in the Engineering Physics option. Please see the Dual Programs section of this catalog (p. 223) for additional information.

Pre-Professional Program

A pre-professional program in discipline-specific Engineering is available. Please see the Pre-Professional Programs section of this catalog (p. 232) for additional information.

Degree Requirements

All students seeking the Bachelor of Science in Physics must complete I, II, and III.A, III.B, or III.C below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

Note: *Students enrolled in this major may not minor in Conceptual Physics.*

I. University General Education Requirements (p. 70).....37 s.h.
(To include MATH 133 and 134)

II. Core Courses.....15 s.h.
PHYS 211, 212, 213, 214, 271

III. Options of Study (select A, B, or C)
A. Standard Physics
1. Option Courses.....26 s.h.
PHYS 305, 311&, 354, 420, 427, 428, 430, 470, 490†, 499

2. Directed Electives ..... 7 s.h.
   Select a minimum of 7 s.h. from the following:
   PHYS 150#, 310, 406, 410 or equivalent, 421, 431, 461, 462, 464, 476, 477, 478, 482
3. Other ..... 21 s.h.
   a. MATH 231, 311, 333 ..... 10 s.h.
   b. CHEM 201, 202 ..... 8 s.h.
   c. One of the following:
      CS 214, 225, 301, 302, 343; MATH 355 ..... 3 s.h.
4. Open Electives ..... 14 s.h.

B. Engineering Physics
1. Option Courses ..... 2 s.h.
   PHYS 490†, 499
2. Directed Electives ..... 17 s.h.
   a. Select three of the following:
      PHYS 310@, 311&, 354, 420 ..... 9 s.h.
   b. Select two of the following:
      PHYS 305, 406, 410 or equivalent, 421, 430 ..... 6 s.h.
   c. Select a minimum of 2 s.h. from the following:
      PHYS 427, 428, 470 ..... 2 s.h.
3. Engineering courses taken at WIU—QC or a Transfer Institution* of which 15 s.h. must be at the upper-division level ..... 18 s.h.
4. Other ..... 24 s.h.
   a. CHEM 201, 202 ..... 8 s.h.
   b. CS 225 ..... 3 s.h.
   c. ENGR/ET 105 ..... 3 s.h.
   d. MATH 231, 311, 333 ..... 10 s.h.
5. Open Electives ..... 7 s.h.

C. Science/Physics—Teacher Education
1. Option Courses ..... 36 s.h.
   a. PHYS 101, 305, 381, 427, 428, 481, 482† ..... 20 s.h.
   b. BIOL 100 ..... 4 s.h.
   c. CHEM 201, 202 ..... 8 s.h.
   d. GEOL 110 ..... 4 s.h.
2. Directed Electives ..... 3 s.h.
   a. PHYS 311 or 410 ..... 3 s.h.
   b. Science Electives ..... 0 s.h.
      Any additional mathematics or science courses leading to additional endorsements in mathematics or science (MATH, BIOL, BOT, CHEM, GEOG, GEOL, MICR, ZOOL)
3. Other ..... 37 s.h.
   a. EDUC 239, 339, 439, 469 ..... 3 s.h.
   b. EDS 202, 301, 303 (1 s.h.), 304 (2 s.h.), 305, 401 ..... 13 s.h.
   c. MATH 231 ..... 4 s.h.
   d. ENG 366 ..... 2 s.h.
   e. SPED 390 ..... 3 s.h.
   f. STCH 480 ..... 12 s.h.

The Multicultural Perspectives graduation requirement (p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural Perspectives (including PHYS 150); or 3) an approved Study Abroad program.

& Students may also fulfill this requirement through the completion of ENGR 212. See advisor.

† PHYS 490 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Standard Physics and Engineering Physics options. PHYS 482

fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Science/Physics—Teacher Education option.

@ Students may also fulfill this requirement through the completion of ENGR 211. See advisor.

* When transferring to a different institution, the student must complete the Engineering degree to receive the degree in Engineering Physics from Western under this option.

Political Science (B.A.)

Degree: Bachelor of Arts
Offered by: School of Social Sciences
Location(s): Macomb, Online (Government and Politics option only)
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Political Science (see page 57)

Program Faculty

Albarracin, Baldi, Boeckelman, LaFrance, Lee, Taylor.

Program Description

The Political Science major prepares the student for a wide range of careers, including: administration of national, state, and local government agencies; preparation for admission to law school; urban and regional planning; political journalism, the conduct and analysis of foreign policy; and preparation for graduate study in Political Science. The departmental advisor has career guides for students interested in law school, graduate study in Political Science, graduate study in public policy, public administration, foreign affairs, and politics.

Dual Program

A dual program in Law is available for Political Science majors. Please see the Dual Programs section of this catalog (p. 224) for additional information.

Pre-Professional Program

A Pre-Law option, which supports the pre-professional program in Law, is available for Political Science majors. See the Pre-Law option for a detailed description of the requirements. Please also see the Pre-Professional Programs section of this catalog (p. 233) for additional information.

Degree Requirements

All students seeking the Bachelor of Arts in Political Science must complete I, II, III.A or III.B, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. *A maximum of 6 s.h. of POLS 402 may be counted toward the Political Science major.* Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....10 s.h.
POLS 122*, 284, 380†, 495

III. Options of Study (Select A or B)
  A. Government and Politics
    1. Directed Electives
      a. At least one course chosen from the following:..... 3 s.h.
      POLS 201, 223, 224, 226, 304, 306, 308, 311, 315, 317, 318, 319, 328, 335#, 395, 410, 411, 448, 470
      If more than one course is taken, it may count as a Political Science Elective or Open Elective.
      b. At least one course chosen from the following:..... 3 s.h.
      POLS 228#, 267#, 305, 322#, 324, 327, 329#, 331#, 334#, 338#, 340, 353#, 400#, 435, 440# 446#, 465#
      If more than one course is taken, it may count as a Political Science Elective or Open Elective.

c. At least one course chosen from the following: ..... 3 s.h.
POLS 381, 382, 383, 389
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

d. At least one course chosen from the following: ..... 3 s.h.
POLS 300, 302, 393, 447, 490, 494
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

e. At least one course chosen from the following: ..... 3 s.h.
POLS 400#, 410, 411, 435, 440#, 446#, 447, 448, 465#, 470, 484, 490, 493, 494
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

2. Political Science Electives ..... 12 s.h.

B. Pre-Law

1. Directed Electives

a. At least one course chosen from the following: ..... 3 s.h.
POLS 201, 223, 224, 226, 304, 306, 308, 311, 315, 317, 318, 319, 328, 335#, 395, 410, 411, 448, 470
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

b. At least one course chosen from the following: ..... 3 s.h.
POLS 228#, 267#, 305, 322#, 324, 327, 329#, 331#, 334#, 338#, 340, 353#, 400#, 435, 440#, 446#, 465#
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

c. At least one course chosen from the following: ..... 3 s.h.
POLS 381, 382, 383, 389
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

d. At least one course chosen from the following: ..... 3 s.h.
POLS 300, 302, 393, 447, 490, 494
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

e. At least one course chosen from the following: ..... 3 s.h.
POLS 400#, 410, 411, 435, 440#, 446#, 447, 448, 465#, 470, 484, 490, 493, 494
If more than one course is taken, it may count as a Political Science Elective or Open Elective.

f. At least three courses chosen from the following: ..... 9 s.h.
POLS 223, 226, 304, 315, 317, 319, 410, 411, 435, 447, 448; PHIL 140

2. Political Science Electives ..... 3 s.h.

IV. Any Minor ..... 16 s.h.

V. Open Electives ..... 32 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the courses indicated by # above.

* POLS 122 may count toward the University General Education requirement.

† POLS 380 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Psychology (B.S.)

Degree: Bachelor of Science
Offered by: School of Social Sciences
Location(s): Macomb

Program Faculty

Bainter, Blankenship, Cruise, Fisler, Goodwin, Hammersley, Harbke, Hemenover, Intrieri, Keefe, Lane, Lindemann, McGuire.

Program Description

The department has several tracks within the major including Aging Studies, Forensic Psychology, Neuroscience, and Mental Health. Anyone whose future involves interacting with others will find the study and exploration of psychological principles valuable.

Degree Requirements

All students seeking the Bachelor of Science in Psychology must complete I, II, and III.A or III.B below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Forensic Psychology.*

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 13 s.h.
PSY 100, 200, 223, 323†, 499

III. Options of Study (select A or B)
- A. Psychology ..... 70 s.h.
  - 1. Directed Electives ..... 27 s.h.
    - a. Select 9 s.h. from Category 1:
      PSY 340, 343, 344, 346, 442, 443, 444, 456
    - b. Select 9 s.h. from Category 2:
      PSY 334, 353, 380, 422, 423, 424, 425, 427, 430, 433, 451, 452, 453, 486, 487
    - c. Select 9 s.h. from any Psychology courses
  - 2. Any Minor ..... 16 s.h.
  - 3. Open Electives ..... 27 s.h.

  Note: *At least 19 s.h. in the major must be taken at the 300–400 level.*
- B. Forensic Psychology ..... 70 s.h.
  - 1. Option Courses ..... 9 s.h.
    - a. PSY 453
    - b. PSY 490, taken twice with different topics
  - 2. Directed Electives ..... 30 s.h.
    - a. Select 15 s.h. from any of the following courses:
      Clinical Foundations: PSY 334, 424, 434, 442, 451
      Non-Clinical Foundations: PSY 343, 346, 422, 430, 452, 456; PSY/ANTH 353
    - b. Forensically Related Electives:
      Select 15 s.h. from the following courses:
      ANTH 405; HIST 303, 310; LEJA 212, 255, 306, 312, 357, 412, 413; PHIL 205, 420; POLS 319; SW 325, 380; SOC 255, 300, 355, 425, 445, 463; SOC/WS 435
  - 3. Open Electives ..... 31 s.h.

The Multicultural Perspectives graduation requirement may be fulfilled by successfully completing one of the courses listed in the Multicultural Perspectives Requirement section of this catalog (p. 62).

† PSY 323 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Note: *Certain courses taken in the major and minor may also fulfill University General Education requirements.*

Public Health (B.S.)

Degree: Bachelor of Science
Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb, Quad Cities
GradTrac: See page 75

Program Faculty

Bartlett, Bezold, Bories, Harden, Kanauss, Kovacs, McCoy, Oden, Plos, Polubinsky, Shupe, Wen.

Program Description

The ***Public Health*** degree program allows students to pursue one of the following:

- *Public Health Nutrition* educates students about a field that strives to improve the nutritional status of populations. Students will acquire foundational knowledge in research and policy development to address nutrition and related diseases impacting target populations.
- *Public Health Preparedness* educates students about the major principles of both emergency management and public health. Students will acquire fundamental knowledge in mitigating, preparing for, responding to, and long-term recovery from disasters and emergencies with specific applications focused on public health, health care, educational, and state and local governmental settings.
- *Public Health Services Management* educates students in leadership and administration aspects to ensure effective and efficient health policy implementation. Students will acquire foundational knowledge in accounting, finance, economics, management, and marketing.

Degree Requirements

All students seeking the Bachelor of Science in Public Health must complete I, II, III.A or III.B or III.C, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A maximum of 6 s.h. of workshop coursework (HLTH 450) can count toward the degree. A grade of C (2.0) or better is required in all Core Courses, Directed Electives, and their required prerequisites to complete the Public Health major. Students must have an overall GPA of 2.00 and major GPA of 2.50 to enroll in HLTH 490, a required course for the major. Current WIU students must be in good standing (2.0 GPA or higher) to declare a major in Public Health. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70)..... 37 s.h.
(To include ECON 232; PHIL 120, 140; SOC 100, 200; STAT 171; and ZOOL 200)

II. Core Courses..... 45 s.h.
HLTH 211, 212, 310, 325, 370†, 400, 410, 412, 430, 470, 490 (6 s.h.); HLTH/NUTR 407, 408†, 411, 438

III. Emphases of Study (select A, B, or C)..... 21 s.h.
- A. Public Health Preparedness
  - 1. Emphasis Courses..... 18 s.h.
    EM 276, 304, 305†, 323, 324, 460
  - 2. Directed Electives..... 3 s.h.
    COMM 333 or EM/HLTH 425
- B. Public Health Services Management..... 21 s.h.
  ACCT 201, 202; ECON 231; FIN 331; IS 340; MGT 349; MKTG 327

C. Public Health Nutrition ..... 21 s.h.
NUTR 109, 203, 300, 305, 308, 404, 413, 450 (Weight Management)

IV. Other Requirements ..... 17 s.h.
A. COMM 130 ..... 3 s.h.
B. KIN 149 ..... 1 s.h.
C. Minimum 6 s.h. in either KIN 290, 291 or ZOOL 330, 331 ..... 6 s.h.
D. MICR 200 ..... 4 s.h.
E. SOC 424 ..... 3 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† HLTH 370 and HLTH/NUTR 408 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Public Relations (B.A.)

Degree: Bachelor of Arts
Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Averbeck, Gloviczki, Go, Jorgensen, Lauer, Miczo, Peters, Tang, Zhao.

Program Description

Our **Public Relations** degree program provides majors with the opportunity to build both the creative and strategic skills necessary to pursue a successful career in public relations. Classes in this program focus on the techniques and processes used to create, produce, and place persuasive messages in both paid and earned media. Students in this program will also learn how to use the media to creatively and effectively deliver messages utilizing an integrated mix of traditional and new media and to develop complete campaign plans for a variety of products and services, as well as receive training in how to effectively manage crisis situations as well as how to maintain and develop organizational reputations. Our graduates are well-positioned to contribute to a host of professional fields.

Degree Requirements

All students seeking the Bachelor of Arts in Public Relations must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

Note: *Students enrolled in this major may not minor in Advertising and Public Relations or Social Media.*

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 33 s.h.
   A. Broadcasting and Journalism:
      BC&J 101, 200†, 340, 345, 346† ..... 15 s.h.
   B. Communication:
      COMM 130, 311†, 333, 343, 345, 445 ..... 18 s.h.

III. Directed Electives ..... 9 s.h.
   Select 9 s.h. from the following, at least 6 s.h. at the 400-level:
   BC&J 352, 400, 430, 447, 456#; COMM 305, 314, 356, 381#, 400, 401, 413, 418, 425, 456, 457, 496

IV. Any Approved Minor ..... 16 s.h.
   Note: *Suggested minors include (but are not limited to) Emergency Management, Graphic Design, Marketing, or Professional Writing.*

V. Open Electives ..... 25 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural (including BC&J 353, BC&J 456, and COMM 381); or 3) an approved Study Abroad program.

† BC&J 200, BC&J 346, and COMM 311 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Science
Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): M.S. in Recreation, Sport, and Tourism Administration, M.A. in Museum Studies, and M.S. in Sport Management (see page 57)

Program Faculty

Doh, Lukkarinen, Park, Porter, Robinett.

Program Description

The Bachelor of Science in Recreation, Sport, and Tourism Administration has been accredited by the Council on Accreditation of Parks, Recreation, Tourism and Related Professions since 1978. In addition to certifications that can be earned through course work, students graduating from this program are immediately eligible to sit for the Certified Park and Recreation Professional Exam. Students earning a B.S. in Recreation, Sport, and Tourism Administration are well prepared for employment with non-profit organizations, park districts, university student unions and recreation centers, civic and senior citizen centers, state and national parks, camps and outdoor recreation centers, sport associations, resorts, destination management organizations, travel and tourism agencies, restaurants, lodging, event planning companies, casinos, private clubs, and cruise lines. Students are provided opportunities to participate in Study Abroad, to engage with professionals through experiential education and field trips, to participate in practicums, and to complete a professional internship.

The B.S. in Recreation, Sport, and Tourism Administration curriculum allows students to develop leadership skills, problem-solving abilities, and critical thinking skills, and to engage in day-to-day activities associated with managing leisure service industries. Students are able to select among minors and electives to enhance their skill sets in preparation for specific careers. A grade of C- or better in each Core Course and a 2.0 GPA for all Core Courses are required for the major. For more information regarding the options and minors, students should speak with the departmental and minor advisors.

Degree Requirements

All students seeking the Bachelor of Science in Recreation, Sport, and Tourism Administration must complete I, II, III.A or III.B or III.C, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C- or better in each Core Course and a 2.0 GPA for all Core Courses are required to complete the Recreation, Sport, and Tourism Administration major. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.

II. Core Courses ..... 30 s.h.
RSTA 110. 111, 235†, 322†, 482, 497, 499

III. Options of Study (select A, B, or C) ..... 16 s.h.
- A. Recreation Management
  - 1. Option Courses ..... 4 s.h.
    RSTA 199, 399
  - 2. Directed Electives
    - a. RSTA 422, 430, or 467 ..... 3 s.h.
    - b. Select 9 s.h. of upper-division RSTA courses ..... 9 s.h.

B. Sport Management
   1. Option Courses ..... 7 s.h.
      RSTA 199, 364, 399
   2. Directed Electives
      a. RSTA 430 or 467 ..... 3 s.h.
      b. Select 6 s.h. of upper-division RSTA courses ..... 6 s.h.

C. Tourism and Event Management
   1. Option Courses ..... 7 s.h.
      RSTA 199, 362, 399
   2. Directed Electives
      a. RSTA 422 or 467 ..... 3 s.h.
      b. Select 6 s.h. of upper-division RSTA courses ..... 6 s.h.

IV. Other ..... 12 s.h.
B L 230, HRM 353, MGT 349, MKTG 327

V. Any approved minor ..... 16 s.h.

VI. Open Electives ..... 12 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† RSTA 235 and 322 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Social Work
Offered by: School of Applied Clinical, Educational, and Professional Programs
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Allwardt, Connor, Perone, Wilroy.

Program Description

The **Bachelor of Social Work** (B.S.W.) degree program is accredited by the Council on Social Work Education. The B.S.W. prepares students as generalist social workers for entry-level professional employment in social service agencies, providing services to individuals, families, groups, organizations, neighborhoods, and communities. Generalist social workers serve children, adolescents, adults, and elderly persons with a variety of needs. The Social Work curriculum provides students with the opportunity to obtain the knowledge, values, and skills needed for beginning professional practice and for continuation of their studies at the graduate level. This curriculum is built upon and integrates the liberal arts through the basic University General Education requirements.

Pre-Social Work

Initially, all students entering the Social Work degree program are classified as Pre-Social Work majors. Enrollment in the Pre-Social Work program does not guarantee acceptance as a candidate for the Bachelor of Social Work degree.

To be accepted as a Social Work major and a candidate for the Bachelor of Social Work degree, students must satisfy the following requirements:

1. Complete SW 100 or transfer equivalent with a final grade of C or better. Complete, be registered in, or have a plan of study in place for BIOL 100, ENG 180, PSY 100, and SOC 100.
2. Have a minimum GPA of 2.00 overall.
3. Complete the Social Work Program application materials and have a personal interview with a member of the Social Work faculty. See the application materials for further information.
4. Be accepted, on the basis of the application process, by the Social Work faculty. If the application is denied, the student has the right to appeal to the chairperson. The department will consider the appeal as a committee of the whole.

Questions about the admissions process should be directed to the Social Work advisor.

Social Work Degree Candidacy

Candidates for the Bachelor of Social Work degree must satisfy the following requirements for graduation:

1. Meet the requirements stated above.
2. Meet the University and program General Education course requirements for graduation.
3. Obtain a grade of C or better in every graded SW course.
4. Achieve a minimum 2.50 grade point average for all SW courses prior to enrolling in the practicum course, SW 480.
5. Earn a minimum 2.50 SW grade point average at the conclusion of SW 480.
6. Demonstrate professional knowledge, values, and skills after formal admission to the program and throughout the practicum. Failure to do so may result in dismissal from the program.

Students must maintain good standing in the major after admission. Students must complete 100 volunteer or work hours in the social services field, as described in the application materials. Students will not be able to successfully complete SW 440 without completion of the 100 hours prior to SW 440. Students must successfully complete an evaluation of professional practice behaviors in SW 315 and SW 440 to continue enrollment in the Social Work degree program.

Degree Requirements

All students seeking the Bachelor of Social Work must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. A grade of C or better is required in all graded Social Work (SW) courses. Social Work students must complete a one-semester practicum in a social service agency to gain experience in Social Work practice. The practicum is a closely supervised learning experience that helps prepare students for beginning level practice. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.
(To include: BIOL 100, POLS 122, PSY 100, SOC 100, 6 s.h. of Math/Science courses, and a lower-division Philosophy course)

II. Core Courses.....48 s.h.
SW 100, 212, 213, 312, 313, 315, 316†, 325, 380, 415, 425, 440, 480

III. Directed Electives..... 6 s.h.
Select 6 s.h. from the following:
SW 330, 331, 332, 335, 336, 338, 340, 341, 342, 345, 496

IV. Open Electives .....20 s.h.

V. Other..... 9 s.h.
A. Additional General Education Social Sciences course.....3 s.h.
B. Additional General Education Humanities course.....3 s.h.
C. Additional Multicultural Perspectives course.....3 s.h.

The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† SW 316 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Degree: Bachelor of Arts
Offered by: School of Social Sciences
Location(s): Macomb, Online
GradTrac: See page 75
Integrated Degree Program(s): M.A. in Sociology (see page 57)

Program Faculty

Bideshi, Chang, Ebert Wallace, Mannion, McGinty.

Program Description

Since its curriculum emphasizes everyday issues and the workings of society in general, the **B.A. in Sociology** is useful in a great variety of occupational fields and positions such as personnel, industry, survey research, public-opinion polling, marketing and advertising research, and in government or nonprofit agencies which provide for the delivery of human services. Many Sociology graduates also work in hospitals or health-care organizations as well as in education and business and undertake graduate studies in Sociology and other fields. Majors in other disciplines will find that Sociology courses provide valuable background for careers in law enforcement, medicine, public health, counseling, personnel management, education, and social work.

Degree Requirements

All students seeking the Bachelor of Arts in Sociology must complete I, II, III, IV, and V below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70).....37 s.h.

II. Core Courses.....15 s.h.
SOC 100, 323†, 324, 333, 334

III. Directed Electives.....18 s.h.
- A. Sociology Electives ..... 15 s.h.
  Select any five SOC or ANTH courses, not to include more than 6 s.h. in ANTH
- B. Capstone Experience ..... 3 s.h.
  Select one course from SOC 433, 494, 497

IV. Any Minor.....16 s.h.

V. Open Electives .....34 s.h.

\# The Multicultural Perspectives graduation requirement may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural Perspectives [see p. 62]; or 3) an approved study abroad program.

† SOC 323 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Special Education (B.S.Ed.)

Degree: Bachelor of Science in Education
Offered by: School of Education
Location(s): Macomb
GradTrac: See page 75

Program Faculty

G. Daytner, K. Daytner, Delany-Barmann, Gabbei, Hasebe, Hyde, La Prad, Lee, Mansfield, Mason, McKenzie, Paciotto, Pavez, Rouse, Sharma, Sheffield, Sheng, Singh, Stevens, Szyjka.

Program Description

This degree is for students seeking to be licensed teachers in the public school setting and qualify for their Learning Behavior Specialist I. The degree includes courses in child growth and development, language development, instructional planning and assessment, classroom management, content pedagogy, intensive support needs, literacy methods, mathematics methods, transitions and collaboration, and health related issues for students with special needs. Graduates are qualified to teach learners in kindergarten through age 22.

Degree Requirements

All students seeking the Bachelor of Science in Education with a major in Special Education must complete I, II, III, IV, V, and VI below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Teacher Education will require additional hours. Course descriptions begin on page 274.

In accordance with the Illinois State Board of Education licensure rule, all candidates seeking a Professional Education License or endorsement are required by Western Illinois University to obtain a grade of "C-" or better in all directed general education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

Please see the Teacher Education section of this catalog (p. 236) for more information about WIU's Teacher Education Program.

I. University General Education Requirements (p. 70)..... 37 s.h.

II. Core Courses..... 19 s.h.
EDS 110 (3 s.h.), 202, 301, 305, 320, 401; LA 250

III. Specialty Courses..... 22 s.h.
SPED 300, 360, 370†, 400†, 407, 415, 417, 420

IV. Subject Area Content Requirements..... 24 s.h.
LA 383†, 384†; MATH 106, 206, 266, 364; SCED 364; SSED 365

V. Pre-Clinical Field Experiences..... 6 s.h.
SPED 280, 460, 465

VI. Clinical Field Experiences..... 12 s.h.
SPED 410; STCH 430 (6 s.h.), 431 (6 s.h.)

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; or 2) any course designated as Multicultural (including SSED 495).

† LA 383, LA 384, SPED 370, and SPED 400 fulfill the Writing Instruction in the Disciplines (WID) graduation requirement.

Students who wish to work toward licensure in both Special Education and Elementary Education may do so as a Special Education major. Dual licensure students take all required Special Education courses as well as additional elementary content classes.

Speech Pathology and Audiology (B.S.)

Degree: Bachelor of Science
Offered by: School of Applied Clinical, Educational, and Professional Programs
Location(s): Macomb

Program Faculty

Burke, Cox, Crouse, Curless, Elbe, Hamilton, Martin, Pierson, Ruebush, Sharp, Silberer, Vieu.

Program Description

Undergraduates in Speech Pathology and Audiology study speech and language development; anatomy and physiology of speech and hearing; speech and hearing science; speech, language, and hearing disorders; and evaluation and treatment procedures.

Most undergraduates plan to apply to graduate school and pursue careers as speech-language pathologists or audiologists. The undergraduate program in Speech Pathology and Audiology provides the foundation for graduate work in either speech-language pathology or audiology. For students who plan to seek employment immediately after graduation, the major provides a solid background in typical and atypical communication, professional report writing, and scientific thinking, all of which are useful in many professional settings.

Degree Requirements

All students seeking the Bachelor of Science in Speech Pathology and Audiology must complete I, II, III.A or III.B, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70) ..... 37 s.h.
(To include PSY 100, STAT 171, and either BIOL 100 or ZOOL 200)

II. Core Courses ..... 30 s.h.
SPA 100, 121, 210, 212, 312, 381, 385, 390, 482, 494

III. Options of Study (select A or B) ..... 37 s.h.
- A. Speech Pathology and Audiology
  - 1. Option Courses ..... 15 s.h.
  SPA 311, 383, 386, 472, 481†
  - 2. Other ..... 4 s.h.
  One of: CHEM 101, 150; PHYS 100
  - 3. Open Electives ..... 18 s.h.
- B. Speech Language Pathology Assistant
  - 1. Option Courses ..... 16 s.h.
  SPA 333†, 340, 489, 499
  - 2. Open Electives ..... 21 s.h.

IV. Any Approved Minor ..... 16 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing one of the following: 1) a designated foreign language requirement; 2) any course designated as Multicultural; or 3) an approved Study Abroad program.

† SPA 481 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Speech Pathology and Audiology option. SPA 333 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement for the Speech Language Pathology Assistant option.

Degree: Bachelor of Arts
Offered by: School of Visual and Performing Arts
Location(s): Macomb
GradTrac: See page 75

Program Faculty

Ames, Blackinton, Conner, Fox, House, Kamminga-Peck, Killian, Laney, Lefter, Mickelson, Schmidt, Wipperling, Wright, Wroblewski.

Program Description

The **B.A. in Theatre** degree program offers options in Performance and Production/Design. The program develops skilled and creative artists for vocational and professional careers and/or future study in Theatre and related arts and aims: (1) to develop creativity, artistic skills, and professionalism in students through an active production program that melds scholarship and practice; (2) to encourage and develop skills in communication, problem solving, research, and effective writing; (3) to enable majors and non-majors to expand and perfect their knowledge of the literary, historical, and philosophical aspects of Theatre through a rich curriculum that has both depth and breadth; (4) to foster students' understanding and appreciation of the arts; and (5) to enhance the cultural life of the campus and the region.

Degree Requirements

All students seeking the Bachelor of Arts in Theatre must complete I, II, III.A or III.B, and IV below, and the Multicultural Perspectives requirement for the major#. The minimum semester hour requirement for the baccalaureate degree is 120 s.h. Course descriptions begin on page 274.

I. University General Education Requirements (p. 70)..... 37 s.h.

II. Core Courses..... 34 s.h.
THEA 100, 101, 150, 172, 269, 321, 350, 381, 390, 391†, 392, 430

III. Options of Study (Select A or B)
- A. Performance
  - 1. Option Courses..... 6 s.h.
    THEA 170, 171
  - 2. Directed Electives..... 15 s.h.
    - a. THEA 145 or 165..... 3 s.h.
    - b. THEA 311 or 382..... 3 s.h.
    - c. Select a minimum of 9 s.h. of THEA courses..... 9 s.h.
- B. Production/Design
  - 1. Option Courses..... 12 s.h.
    THEA 145, 165, 451, 452
  - 2. Directed Electives..... 9 s.h.
    Select a minimum of 9 s.h. of THEA courses

IV. Open Electives..... 28 s.h.

\# The Multicultural Perspectives graduation requirement (see p. 62) may be fulfilled by successfully completing THEA 390.

† THEA 391 fulfills the Writing Instruction in the Disciplines (WID) graduation requirement.

Other Programs

Other Programs 223–243

Dual Programs
Experimental Studies Program
General Studies Program
Honors in the Major
Military Science Program
Overseas Study Program
Pre-Professional Programs
Teacher Education Program

Western Illinois University has made arrangements with professional schools at other universities so that students can complete requirements for a bachelor's degree in the College of Humanities, Arts, Sciences, and Education or in General Studies while working toward a professional degree or certificate. This is done in cases where credits can be transferred from the professional school in work closely related to that offered in the college. Typically, students complete three years of work at WIU and transfer one year of work from the professional school in satisfaction of WIU degree requirements.

Dual Program in Clinical Laboratory Science and Medical Technology

This dual program is four years in length and leads to the degree of Bachelor of Science in Clinical Laboratory Science. The first three years of the program are spent at WIU, followed by 12 months at an approved School of Medical Technology. The clinical year program requires a 2.75 grade point average. After completion of the four-year program, graduates take an examination for registration given by the Board of Registry of Medical Technology of the American Society of Clinical Pathologists. Upon successful completion of the total program, a student receives the Bachelor of Science degree at Western and the MT (ASCP) certificate from the Registry of Medical Technologists. Students enrolling in this program will be advised by the School of Natural Sciences. The curriculum is given below.

First Year

BIOL 170; BOT 200; CHEM 201, 202; ENG 180; MATH 128, 129 or 133 or equivalent (see advisor); ZOOL 200
Social Science elective
Humanities elective
Human Well-Being elective (UNIV 100)

Second Year

CHEM 330 or 331 and 421 (or 332); ENG 280; F L 121, 122 or equivalent (see advisor); MICR 200, 434
Social Science elective
Social Science elective

Third Year

COMM 241; PHYS (see advisor) 124, 125 or 114, 115; STAT 171; ZOOL 430
2 Electives—BIOL 330 or 340; MICR 400 or 463 or 464 or 460
Humanities elective
Multicultural Studies elective

Fourth Year

Taken at an approved School of Medical Technology (approximately 32 s.h.)
Clinical Biochemistry
Clinical Chemistry
Clinical Hematology
Clinical Microbiology (bacteriology, parasitology, mycology)
Clinical Serology and Immunology
Blood Bank

Dual Program in Engineering

Western Illinois University has an agreement with the College of Engineering at the University of Illinois, whereby students may obtain the bachelor's degree from the College of Humanities, Arts, Sciences, and Education at WIU and a degree from the College of Engineering at the University of Illinois. In general, students spend three years at WIU and two to two and one-half at the University of Illinois or the University of Iowa. The student becomes eligible for both degrees when the entire program is completed.

Dual Programs

Students who wish to participate in the Engineering dual program should contact the Physics advisor in the School of Natural Sciences. Students who enter the program must complete the Pre-Engineering programs described in the Pre-Professional Programs section and the requirements for the Bachelor of Science degree in the College of Humanities, Arts, Sciences, and Education. Since the granting of the two degrees depends on specified course requirements and not the amount of time on each campus, care in planning a program of courses is essential for students to complete the dual program in five academic years. For students interested in pursuing the dual degree option in Physics along with a bachelor's in Engineering, the Engineering Physics curriculum (p. 204) is recommended.

Similar dual-degree programs are available with other Engineering Schools, including the Binary Program with Case Western Reserve University. Please consult your advisor to ensure successful completion of degree requirements.

Students who begin their Pre-Engineering program at a community college and wish to benefit from the WIU dual program must earn a minimum of 30 s.h. at WIU and satisfy all the requirements for the WIU Bachelor of Science degree, except those requirements dealing with majors and minors.

Dual Program in Law

Exceptionally well-qualified students majoring in English, History, or Political Science at Western Illinois University are eligible to pursue an accelerated admission program at University of Illinois at Chicago Law School following the completion of their junior year of undergraduate study at Western. Students must have earned at least 90 WIU semester hours, with the additional 30 hours required for a WIU B.A. in one of the three stipulated majors (120 semester hours total) completed during two full semesters at UIC Law School. Program participants will receive a baccalaureate degree from WIU following successful completion of the first year of law school at UIC Law School, and the law degree (J.D.) from UIC Law School after successfully completing the required law school curriculum, allowing for the fulfillment of requirements for both degrees in a shorter period.

Students interested in this opportunity must work with the academic advisor in their major to ensure successful compliance with all program requirements.
Note: *Participants are required to meet the WIU graduation requirement of completion of a minor.*

Dual Program in General Studies and Chiropractic

Western Illinois University has an agreement with Palmer College of Chiropractic, Davenport, Iowa, whereby students can earn a Doctor of Chiropractic degree from Palmer and a Bachelor of Arts in General Studies degree from Western. The dual degree program requires admission into WIU's Bachelor of Arts in General Studies degree program and 90 semester hours of credit in approved prerequisite courses prior to enrolling at Palmer. A minimum of 30 semester hours of academic credit from Palmer may be transferred back to WIU to complete the Bachelor of Arts in General Studies degree.

Experimental Studies Program

Western Illinois University offers students and faculty the opportunity to explore experiments in learning which lie outside the existing traditional curriculum structure. Under the framework of the Experimental Studies Program, students may design courses (298/498) to fit their specific interests and needs and receive academic credit through sponsorship by a faculty coordinator. Faculty, in turn, may propose new and innovative courses (275/475) for presentation to students on a trial basis with a minimum of the regular approval procedure, thereby permitting an experimental period for refinement before the course is proposed through regular channels for approval. The appropriate School Director should be contacted for additional information about the Experimental Studies Program.

General Studies Degree Program

Western Illinois University offers a unique online Bachelor of Arts degree program designed to provide students an opportunity to earn an undergraduate degree in a manner compatible with their educational needs and lifestyles: the Bachelor of Arts in General Studies degree. This highly individualized and flexible program recognizes that adults may have attended a variety of educational institutions and accepts transfer of passing coursework taken at other regionally accredited colleges and universities. Students may apply for academic credit through the preparation of a prior learning portfolio, which documents specific college-level knowledge gained through nonacademic pursuits that can be related to WIU courses. Students may also receive academic credit through the use of approved proficiency examinations and testing programs. Students can apply WIU coursework offered online or at the two campus locations toward the completion of their degree and the 30 semester hour residency requirement.

Academically talented students are eligible to participate in Western Illinois University's **Honors in the Major** by meeting discipline-specific requirements established by their School and/or College. Students who complete Honors in the Major will be designated as **Honors Scholar** on their transcript upon graduation. Students may earn Honors in the Major by completing at least one of the following, as determined by the students' College and School:

- **In-Course Honors**

  Students must request "in-course honors" from their instructor for the desired course, and then the student and instructor must come to an agreement to determine what the student must complete in order to earn in-course honors. Students who successfully complete the course and agreed-upon assignment(s) receive in-course honors credit.

- **Honors Sections of Courses**

  Schools may offer "honors sections" of specific courses. Students must have special permission to register for these sections, and only students pursuing the Honors Scholar designation are eligible to enroll. Students who successfully complete the honors section receive in-course honors credit.

- **College Scholar Designation**

  Each College designates one graduating senior as a College Scholar as that College's outstanding student each fall and spring semester. Students are nominated for this designation by the School in which the students' major is housed.

- **School Scholar Designation**

  Every fall and spring semester, each School designates one student per degree program housed within that School as the School Scholar, as determined by the faculty in the School. Students may only receive this award once.

All graduating seniors who earn the Honors Scholar designation will be awarded a medallion to wear at commencement. Medallions are also awarded to students who earn Degrees with Distinction ("Latin Honors"—Cum Laude, Magna Cum Laude, Summa Cum Laude).

For more information about Honors in the Major for a particular major, please contact the School offering that major. For more information about Degrees with Distinction, please see page 45 of this catalog.

Military Science Program

Director: LTC Charles Jones
Office: Horrabin Hall 103
Telephone: (309) 298-1161
Fax: (309) 298-3290
Email: *rotc@wiu.edu*
Website: *wiu.edu/ROTC*

The Military Science program provides instruction and practical experience in leadership and management that will help students succeed in any desired career, civilian or military. Students take Military Science courses while majoring in any discipline at the University. Those students seeking a commission in the United States Army may minor in Military Science if they desire.

Requirements for Commission

1. Completion of requirements for baccalaureate degree.
2. Military Science core under the **Four-Year Program** (18 s.h.)
    a. MS 111—Leadership and Personal Development and MS 112—Introduction to Tactical Leadership (2 s.h.)
    b. MS 211—Innovative Team Leadership and MS 212—Foundations of Tactical Leadership (4 s.h.)
    c. MS 311—Adaptive Tactical Leadership and MS 312—Leadership in Changing Environments (6 s.h.)
    d. Cadet Leadership Course (CLC) (6 s.h. placement credit)
    e. MS 411—Developing Adaptive Leaders and MS 412—Leadership in a Complex World (6 s.h.)
3. Military Science core under the **Two-Year Program** (18 s.h.)
    a. Cadet Basic Camp or equivalent training (6 s.h. placement credit)
    b. MS 311—Adaptive Tactical Leadership and MS 312—Leadership in Changing Environments (6 s.h.)
    c. Cadet Leadership Course (CLC) (up to 6 s.h. placement credit)
    d. MS 411—Developing Adaptive Leaders and MS 412—Leadership in a Complex World (6 s.h.)
4. Maintain a University cumulative grade point average of 2.00 or better.
5. Meet prescribed medical and fitness standards.
6. Completion of HIST 304 (earning a minimum grade of "C").

Advanced Placement

Students with prior military service may receive credit for advanced placement.

Extra-Curricular Activities

Western Illinois University Army ROTC has three extra-curricular teams: Color Guard, Ranger Team, and Rifle Club. These activities involve team competition with other universities. A description of these may be found in the Student Handbook.

Reserve Officers' Training Corps (ROTC)

The Western Illinois University Military Science program offers a variety of opportunities for qualified students to earn a commission as an officer in the United States Army. Commissions are earned through ROTC while the students obtain their bachelor's or master's degree in the academic discipline of their choice. Many students earn their degrees with federal or state ROTC scholarship assistance from ROTC. The opportunities to obtain a commission include a four-year program and a two-year program.

Four-Year Program

The Four-Year Program consists of the Basic Course (first two years) and the Advance Course (second two years). University academic credit is earned for all coursework satisfactorily completed.

Basic Course

Basic Course enrollment is usually limited to freshmen and sophomores. Each year, freshmen and sophomores compete for several ROTC state and federal scholarships. Basic Course students do not incur any military obligation. During the period of the Basic Course, the students decide whether they want to enter the Advanced Course. The Military Science program evaluates their qualifications and determines their eligibility for acceptance.

Advanced Course

Advanced Course students include all students who have successfully completed the Basic Course or received advanced placement credit for the Basic Course. Entry into the Advanced Course is a joint decision by the student and the Military Science program. Requirements include being of good character, a U.S. citizen, under 33 years of age (waiver possible) upon graduation and commissioning, medically qualified, not a conscientious objector, and maintaining a 2.00 grade point average. Students who sign a contract with the government earn a $420 tax-free stipend each month during the academic year. Advanced Course students incur a military obligation in either the Army Reserve, National Guard, or Active Army. Students can be guaranteed Reserve Forces Duty or National Guard Duty. Coursework for the Advanced Course spans two years and is discussed in the Military Science course descriptions. Advanced Course students also attend a Cadet Leadership Course of approximately 36 days duration, normally between their junior and senior years. Students receive pay, travel allowance, and room and meal plan while attending the course.

Two-Year Program

The Two-Year Program permits the student who has successfully completed the ROTC Cadet Basic Camp, or who has prior service as Active Duty, National Guard, or Reserves, to enter directly into the Advanced Course Program. The ROTC Cadet Basic Camp is approximately four weeks long and provides military training in such subjects as leadership, rappelling, map reading, rifle marksmanship, physical fitness, tactics, communications, first aid, and water survival. The student attending ROTC Cadet Basic Camp is paid to attend and receives free lodging, meals, and college credit (up to 6 elective hours). There is no service obligation connected with the course. The course is designed to provide the student with Basic Course credit. Students wishing to attend the Cadet Basic Camp should apply early in the Spring semester.

Scholarships and Financial Aid

Scholarships

Federal and state ROTC scholarships are available on a competitive merit basis to qualified students. Scholarships are awarded based upon merit, not financial need. Scholarships are awarded based upon evidence of scholastic ability, military aptitude, and demonstrated leadership ability. The Federal ROTC scholarship covers either tuition and most fees, or room and board. Either option provides a book allowance of $1,200. The State ROTC scholarship pays only tuition and some fees.

Financial Aid

During the last two years of Military Science, contracted Advanced Course students receive a total subsistence allowance of approximately $9,500 tax-free. This allowance is received in monthly installments during the school year. Simultaneous Membership Program cadets (those serving in drilling National Guard or Army Reserve units) also receive drill pay equivalent to E-5, but perform duties commensurate with those of a junior officer.

Army Nurse Corps Program

The Reserve Officer Training Corps (ROTC) provides an opportunity for college Nursing students to receive practical, hands-on leadership experience. The ROTC courses provide a chance for students to develop management, communication, and decision-making skills. Students interested in obtaining a Bachelor of Science in Nursing may enroll in ROTC. Students may enroll as a freshman, sophomore, or as late as an entering college junior. Upon completion of the program, students obtain nursing experience as a commissioned officer in the United States Army. Specialized financial and educational benefits are available to qualified students.

Commission as a Second Lieutenant

Upon completion of University and ROTC requirements, students are commissioned as Second Lieutenants in one of 17 branches determined by a market-model system that incorporates individual preference with a holistic assessment of academic performance, physical fitness, and leadership attributes. Newly commissioned officers may fulfill their service obligation in the Active Army, the Army Reserve, or the Army National Guard. Service in the Army Reserve or Army National Guard is an ideal way of blending a full-time civilian career with part-time service to the country as an officer. Students may also request to delay their military duties to attend graduate school or to attain professional degrees. Students desiring further information should visit the Military Science program in Horrabin Hall, Room 103, or call (309) 298-1161.

Overseas Study courses facilitate the registration and tracking of students who enroll for Study Abroad (study outside the U.S.). These courses will appear on the student's transcript with either the appropriate course prefix or the OVST prefix.

Pre-Professional Programs

Western Illinois University offers five pre-professional programs designed to prepare students for professional study at other universities at the undergraduate and graduate levels. Each pre-professional program consists of a series of WIU courses which students are advised to take to gain the knowledge and skills required for professional study in a specific field. An academic advisor is assigned to each of the pre-professional programs. Students should consult with the advisor for information on the entrance requirements of professional schools, recommended WIU courses for professional preparation, and degree completion requirements and options.

Pre-Engineering

Students who wish to transfer to a college of Engineering after two years of pre-professional study should complete the program below, which is designed to meet the requirements from the College of Engineering at the University of Illinois at Urbana/Champaign (UIUC). The engineering school requirements often change and vary across disciplines. It is important for students to maintain ongoing communication with their advisor or the Program Coordinator to remain on track to meet all requirements in a timely manner. Students planning to attend an Engineering school other than UIUC should inform their advisor of this fact, so that changes in the program can be suggested. Those who start this curriculum and subsequently decide to remain at WIU usually transfer to related programs without loss of credit.

Students interested in this program should contact the Pre-Engineering advisor in the School of Natural Sciences. Please also see the Dual Programs section of this catalog (p. 223) for a detailed description of the dual program in Engineering.

Freshman Year

Fall Semester
ENG 180; ET 105; MATH 133*; PHYS 211**

Spring Semester
CS 225; MATH 134; PHYS 212; Elective

* Engineering students planning to attend the University of Illinois should keep in mind that any course below the level of MATH 133 will not count toward the Engineering degree. However, several pre-calculus courses are available for students unable to take four years of college preparatory Mathematics in high school.

** PHYS 211 has MATH 133 or the equivalent as a corequisite.

Sophomore Year

Fall Semester
CHEM 201; MATH 231, 311; PHYS 213, 271

Spring Semester
CHEM 202; ENG 280; MATH 333; PHYS 214; PHYS 310

Students may select electives in the Social Sciences and Humanities from a list of transferable electives which can be obtained from a Pre-Engineering advisor; a partial list appears below. *Transfer credit for foreign languages courses at the University of Illinois will be approved only after a review of the student's high school foreign languages background. All transfer students entering the college of Engineering are required to have completed two college/university semesters of a foreign language or three years of a foreign language in high school.*

Technical courses are available at WIU which may also be taken as electives. For example, civil engineers may take a course in surveying or Geology. Mathematical Statistics is recommended for some other fields of Engineering.

Humanities
AAS 281, 282, 283
ARTH 180, 282, 283, 394, 395
ENG 195, 200, 201, 202, 205, 290, 300, 301, 328, 338
Foreign Languages: FR/GER/SPAN 121, 122, 223, 224, 325, 326 (Review of high school preparation required by University of Illinois.)
HIST 105, 106, 115, 116, 300
MUS 190, 194, 195, 393
Philosophy: all courses except PHIL 140
Religious Studies: all courses
THEA 110, 390, 391

Social Sciences
AAS 100, 145, 251, 300
ANTH 110, 111
ECON 231, 232; ***Note:*** *ECON 231 is a required course in some Engineering curricula.*
GEOG 100, 110
POLS 122, 284
PSY 100, 250, 251
SOC 100, 200, 250

Pre-Engineering students should maintain at least a 3.00 (A=4.00) grade point average. Isolated D grades are accepted under certain conditions and may count toward graduation.

Pre-Health Program (Medicine, Optometry, Dentistry, Physical/ Occupational Therapy)

Western Illinois University provides excellent instruction to prepare students for a health-related professional degree in Medicine, Optometry, Dentistry, Physical Therapy, and Occupational Therapy. Most students at Western who wish to pursue a professional degree in a health-related field major in Biological Sciences, but other majors may also be appropriate. See page 128 of this catalog for information about Western's Medical Sciences option offered by the School of Natural Sciences.

Pre-Law

Law schools do not require any particular undergraduate major. Students are encouraged to pursue a course of study in line with their intellectual interests. They are cautioned against narrow specialization directed too pointedly toward later professional training and practice. Many of the goals of legal education are also goals of a broad liberal education. It is advisable for students to select intellectually challenging courses which promote the development of skills of comprehension and communication (written and verbal), which enhance creative thinking, and which foster a critical understanding of the human institutions and values with which the law addresses.

Admission to law school is highly competitive. The two major criteria for admission are the undergraduate grade point average and the score on the Law School Admission Test (LSAT). The LSAT is a standardized examination given multiple times each year. Students intending to apply to law school should plan to take this test no later than December of their senior year.

Pre-Law Advising

Students considering law school are urged to seek Pre-Law advice as early as possible in their undergraduate career. Dr. Greg Baldi (Political Science), Dr. Brian Powell

(Philosophy), and Dr. Jamie Johnson (LEJA) are available for advising students interested in a legal career.

Pre-Law Major Options

Some degree programs at Western Illinois University include a Pre-Law option. Pre-Law options allow students to prepare for success in law school within their major area of study. Brief descriptions of Western's Pre-Law options are provided below.

The B.A. in History Pre-Law Option, offered by the School of Humanities, surveys the origins and evolution of American legal traditions—in Enlightenment thought, in the foundations of British, European, and American constitutionalism, and in the evolution of American federalism, civil rights, and commercial and criminal law. Students' History courses will help them develop the analytical and problem-solving skills, critical reading ability, writing skills, and oral communication skills essential in law school and when practicing law. For more information about the History Pre-Law Option, see page 171 of this catalog.

The B.A. in Political Science Pre-Law Option, offered by the School of Social Sciences, provides students the opportunity to explore law-related topics by studying constitutional law directly. In addition, it emphasizes courses related to law making and interpreting institutions, including the courts, Congress, and state legislatures. This option helps students understand the role of law in society while providing a basis for them to gauge their interest in law school. By analyzing cases, as well as presenting and critiquing arguments, students will develop reading, writing, and presentation skills that foster success in a legal career. For more information about the Political Science Pre-Law Option, see page 207 of this catalog.

Pre-Law Minors

The interdisciplinary Minor in Law and Society helps prepare students for careers in law and related fields, such as the administration of justice. Its interdisciplinary nature provides a solid background in the history and philosophy of law, as well as its current relevance for resolving social, political, and moral questions. In addition to helping students understand legal concepts and the role of law in contemporary society, the minor helps build skills in critical thinking and communication. For more information about the Minor in Law and Society, see page 261 of this catalog.

The Minor in Legal Studies, offered by the School of Law Enforcement and Justice Administration, complements all majors and helps students prepare for law school, paralegal programs, or careers in court related services. The courses selected for the minor offer legal theory and applied knowledge. The minor will assist students in articulating the various processes by which different types of cases proceed within the American legal system, in understanding and analyzing legal conflicts through reading and discussing the practical and theoretical bases of case law, and in communicating effectively through classroom presentations and demonstrations of courtroom activities. For more information about the Minor in Legal Studies, see page 261 of this catalog.

Pre-MBA

The Pre-MBA minor is designed specifically for students majoring in areas outside the Bachelor of Business who are considering graduate level study in business. Through a set of core business courses, this minor provides students with the fundamentals of business administration and gives them a solid preparation for many entry level positions in business. The minor facilitates the undergraduate's transition to the MBA at Western Illinois University.

The Pre-MBA curriculum has been created to include accelerated courses for the principles of Accounting and Economics. These are complemented by courses in Finance, Information Systems, Management, Marketing, and Statistics. A majority of these courses are at upper-division; this allows students to begin this minor late in their undergraduate programs and complete the requirements without delaying their graduation.

The Pre-MBA minor is not available to students seeking the Bachelor of Business degree.

Completion of the Pre-MBA minor does not guarantee admission to an MBA program. Please see page 266 for the requirements for the Pre-MBA minor. For more information about the Pre-MBA minor, contact an advisor in the Business Advising Center in Stipes Hall 133 or (309) 298-1619.

Pre-Veterinary Medicine

The WIU School of Agriculture offers a pre-professional program designed to meet the requirements for admission to a School of Veterinary Medicine. Students who wish to pursue studies in Pre-Veterinary Medicine should contact the academic advisor in the School of Agriculture. Due to intense competition for admission to Schools of Veterinary Medicine, most students complete a four-year bachelor's degree program prior to admission. Those students considering a career in Veterinary Medicine should have a good foundation in Biological Sciences and Chemistry, including Biochemistry, as the minimum knowledge base for success in the curriculum. In addition, a course or courses concerning livestock production and animal ethology are highly desirable for all students. Those seeking a career in Veterinary Medicine related to Agriculture should consider additional background in nutrition, livestock management, and the economics of production by working toward a degree in Agriculture prior to admission to veterinary school. Students may also pursue other major fields of study. The suggested WIU courses for admission to the School of Veterinary Medicine at the University of Illinois are outlined below. Admission requirements for other schools of Veterinary Medicine are different but can be met with advisor consultation.

Required

BIOL 330; BOT 200; CHEM 201, 202, 330, 331, 332, 421; ENG 180 and 280 or COMM 241; MICR 200; PHYS 114, 115; ZOOL 200
Humanities or Social Science (12 s.h.)
Junior/Senior level approved Agriculture and science electives (12 s.h.)

Recommended, But Not Required

AGRI 376; ANSC 112, 314, 322, 424; BIOL 340; ZOOL 430
Mathematics—calculus, trigonometry, and statistics

Teacher Education Program

Office of Teacher Education
Licensure Officer: Ms. Jill M. Bisbee
Coordinator of Field and Clinical Experiences: Mr. Ryan Clark
Office: Horrabin Hall 40
Telephone: (309) 298-2117
Website: *wiu.edu/teacher*

Program Information

The Teacher Education Program (TEP) is the overarching entity that prepares and licenses candidates for a career in Birth–Grade 12 educational settings in the State of Illinois. The program enrolls undergraduate students from across the University and is overseen by the University Committee on Educator Preparation (UCEP) faculty committee in conjunction with Office of Teacher Education staff under the direction of the Assistant Dean and Director of Educator Preparation.

UCEP has oversight of all Teacher Education Programs approved by the Illinois State Board of Education (ISBE) offered by Western Illinois University. UCEP determines all procedures, requirements, and student discipline protocol for the Teacher Education Program as a whole. It also approves unique requirements for discipline-specific programs.

UCEP works in tandem with the Office of Teacher Education, which provides services to undergraduate and graduate students, and current professionals seeking teaching, school administration, and school support personnel licenses and endorsements for the Birth–Grade 12 setting. The Office houses academic advising, field and clinical supervision, and licensure preparation.

Accreditation

Western Illinois University is accredited by the Higher Learning Commission, and all of its Teacher Education Programs are approved by the Illinois State Board of Education.

State Approved Teacher Licensure Programs

Western Illinois University meets the licensure mandates issued by ISBE and the State Licensure Board. State Licensure Board requirements take precedence over the catalog-of-record for candidates seeking teacher licensure recommendation, and can change at any time in accordance with legislation.

To be recommended for teacher licensure, candidates must complete all University and Teacher Education requirements as a part of our State-approved Teacher Education Program. This includes abiding by the Illinois School Code of Ethics (Section 22.20) and School Code Physical Fitness requirement (105 ILCS 5/24-5 [from Ch. 122, par. 24-5] Sec. 24-5, physical fitness and professional growth), the professional standards of practice, and the relevant laws and policies that govern Illinois teacher education. Candidates must also be legally present and authorized for employment in the United States. Early and continuous consulting, advising, and planning with the Office of Teacher Education are essential for candidates seeking initial teacher licensure.

Western Illinois University has been approved by ISBE to offer the following licensing areas:

I. Secondary (Grades 9–12)

Agriculture Education (Grades 5–12)
English Language Arts
Mathematics
Science/Biology
Science/Chemistry
Science/Physics
Social Science/History

II. Middle Grades (Grades 5–8)

Language Arts
Mathematics
General Science
Social Science

III. Elementary Education (1–6)

IV. Early Childhood Education (Birth–Grade 2)

V. Special (PreK–Grade 12)

Bilingual Education
English as a Second Language endorsement
Learning Behavioral Specialist I (K–Age 22)
Music
Physical Education
Visual Art
World Languages—French
World Languages—Spanish

VI. Reading Specialist (graduate program)

VII. Alternative Teacher Licensure Program

Master of Arts in Teaching (graduate program)

VIII. Administrative (graduate programs)

School Principal
Superintendent

VIII. School Support Personnel (graduate programs)

School Counseling
School Psychology
Speech Language Pathology

Information about these individual academic programs, including coursework and student success resources, is available at *wiu.edu/teacher*.

Teacher Education Program (TEP)

Admission and Continuation

Admission to the University does not automatically constitute acceptance to TEP. Candidates for baccalaureate degrees who plan to complete licensure requirements for teaching must complete a special application for admission to TEP. Application and requirements for full acceptance are available in the online Teacher Education Program Handbook at *wiu.edu/teacher*.

Candidates consult with an Education Academic Advisor to determine the appropriate time for formal admission to the Teacher Education Program. This should occur after the completion of 30 semester hours (s.h.) and prior to the completion of 60 s.h. of college-level coursework.

All applicants will be screened according to the following criteria:

1. Completed a minimum of 30 s.h. of college-level coursework, including the following courses:
   a. ENG 180 with a grade of C- or better.
   b. A General Education Mathematics course with a grade of C- or better. ***(Please note:*** *Math Competency does not satisfy this Teacher Education requirement.)*
2. Earned the minimum WIU cumulative and WIU major grade point averages (GPAs) listed below, with a C- or better in all directed General Education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.
   a. Early Childhood Education: 2.0
   b. Agriculture, Art, Elementary, English, English as a Second Language Education, French, Mathematics, Middle School, Multilingual, Music, Physical Education, Science/Biology–Chemistry–Physics, Spanish, and Special Education: 2.5
   c. History: 2.75
3. Completed and submitted a Reflective Paper, which was positively evaluated by their academic program.
4. Successfully completed required online modules:
   a. English Language Learner (ELL)
   b. Safety Training
5. Created an account in the State of Illinois Educator Licensure Information System (ELIS).
6. Received a positive recommendation from the School offering the major.
7. Cleared all applicable background registries (* see below).

Candidates must be formally admitted to TEP prior to enrolling in any field experience that requires teaching (see program requirements), EDS 401, and applying for student teaching as outlined in the Teacher Education Program Handbook. Once admitted, the student becomes a teacher education candidate and must conform to all requirements and regulations of TEP, including ISBE requirements as listed below (subject to change in accordance with legislation).

- General Education
- Academic Major
- Professional Education and Supporting Coursework (including core courses)
- Licensure-Required Content
  - Reading Methods
  - Reading In The Content Area

- Exceptional Child Instructional Methods
- Instructional Strategies for English Learners
- Educational Technology Competency
- Safety Training

- Field Experiences (pre-student teaching clinical, student teaching)

Candidates must continue to maintain good standing in the Teacher Education Program once admitted, including exhibiting professional dispositions at all times during their enrollment at Western. Additional Good Standing requirements include collaboration, commitment to learning, valuing diversity and equity, responsibility, and respect. Failure to adhere to these professional dispositions is grounds for dismissal from the program.

A prospective teacher must be able to perform the essential functions of teaching, with or without a reasonable accommodation, as approved by the Western Illinois University Disability Resource Office in collaboration with the Assistant Dean and Director of Educator Preparation.

* Prior to any field work in schools/agencies, candidates must provide documentation of a completed fingerprint background investigation to each school/agency assigned. In addition, the National Sex Offender Registry, the National Registry of Violent Acts Against Children, and the Illinois Methamphetamine Manufacturer Registry are checked for each candidate. Candidates may be prohibited from completing field work if the background checks or registry checks disclose arrests and/or convictions deemed problematic.

Candidates are responsible for expenses related to program and/or licensure requirements.

State-Approved Curriculum

The Illinois State Board of Education establishes the curriculum requirements for teacher licensure programs to ensure the coursework meets legislative requirements. In addition to the category of Professional Education courses (teaching candidates how to be teachers), each academic program includes the following content:

- Exceptional Child Instructional Methods
- Reading In The Content Area
- Reading Methods
- Educational Technology Competency
- Instructional Strategies for English Learners
- Safety Training

Professional Education

The professional education sequence offered by the School of Education includes EDS 202, 301 or 306, 305, and 401*. (Exception: Students in the Early Childhood Education program should consult their Education Academic Advisors.)

Full acceptance to the Teacher Education Program is required to enroll in EDS 303/304 or any field experience requiring teaching, including minimum grade point average, and earning a grade of C- or better in all professional education courses, whether completed at WIU or transferred from another institution. All courses in the professional education sequence completed at other institutions must be evaluated by the School of Education for equivalency. See Pre-Clinical Teaching Field Experience section and the TEP Handbook for details.

Exceptional Child Instructional Methods

Candidates must satisfy a State mandate which requires coursework in the identification, psychology, and methods of teaching the exceptional child including, without limitation, the learning disabled child. Courses at Western Illinois University which satisfy this requirement are listed below:

- LA 250—Language Development
- SPED 300—Characteristics of the Learner
- SPED 390—Characteristics and Methods for Teaching Students with Special Needs
- SPED 392—Characteristics and Methods for Teaching Students with Special Needs Ages Birth to Five
- PETE 393—Adapted Physical Education
- PETE 395—Assessment in Adapted Physical Education
- MUS 334—Music for the Learner with Exceptionalities

Candidates should check with their Education Academic Advisor to determine the course required for their program.

Reading in the Content Area

Candidates must satisfy a State mandate which requires coursework in reading in the content area. Courses at Western Illinois University which are applicable to this requirement are listed below:

- ENG 366—Reading Instruction in Content Areas (Agriculture, Art, English, History, Mathematics, Science)
- LA 382—Literacy Development: Birth through Preschool (Early Childhood)
- LA 383—Literacy Instruction in the Early Grades (Early Childhood, Elementary Education, Special Education)
- LA 384—Literacy Instruction in the Intermediate Grades (Elementary Education, Middle Level, Special Education)
- LA 387—Literacy Instruction in Content Areas (Agriculture, Art, English, History, Mathematics, Music, Physical Education, Science, World Languages)
- LA 388—Disciplinary Literacy Instruction in the Middle Grades (Middle Level)

Candidates should check with their Education Academic Advisors to determine the course(s) required for their program.

Reading Methods

This content is incorporated into the coursework for the Reading in the Content Area requirement.

Educational Technology Competency

This content is incorporated into the coursework for each teaching major.

Instructional Strategies for English Learners and Safety Training

Candidates complete these two requirements through training modules in Western Online. Details are available in the TEP Handbook.

Field Experiences

Field experiences connect classroom concepts to everyday professional practice in a variety of settings and situations ranging from observations, small group work, one-on-one assistance, leading a lesson, teaching half-day, to teaching a full day.

Pre-Clinical Field Experiences

Teacher Education Program candidates complete college-supervised, pre-clinical field experiences in their major. A successful fingerprint background investigation and clearance of applicable registries are required prior to participating in any pre-clinical field experience. Field experiences will typically be provided in the following courses:

1. EDS 303/304
2. Program-Specific Methods Course(s)
3. Program-Specific Pre-Clinical Field Experiences

Candidates who transfer courses with a required field experience will need to provide verification of pre-clinical experiences completed or supplement the transferred course with comparable pre-clinical experiences at Western.

A grade of C- or above or S (satisfactory) is required for all field experiences completed.

Clinical Experience (Student Teaching)

Student teaching is the process whereby a prospective teacher candidate demonstrates competence as an effective beginning teacher. Each student teacher is expected to possess, or develop, the knowledge, skills, and dispositions needed to successfully manage a classroom teaching-learning situation. The successful completion of an approved student teaching experience is documented through one or more of the STCH courses (see page 385).

The clinical experience semester provides direct teaching experience in a public school under the supervision, and with the guidance of, a highly qualified classroom cooperating teacher and a University field supervisor. Candidates complete 12 s.h. of full-day student teaching experience (80 days). Some programs necessitate split assignments at two grade levels for a total of 80 days. A maximum of 12 s.h. of STCH (student teaching course prefix) may be included in the minimum total of 120 s.h. required for graduation.

Requirements for Illinois licensure may include passing the TPA (teaching assessment), which must be completed during the student teaching experience.

Candidates are discouraged from participating in campus-based extra-curricular activities and are discouraged from working while student teaching because of the immersive and rigorous nature of the clinical experience. Those wishing to enroll in additional coursework during the clinical experience must appeal to the Selection, Retention, and Appeals Committee prior to the student teaching term. More information is available in the TEP Handbook.

Application

It is the responsibility of the candidate to apply for a student teaching assignment one year prior to the semester in which it is anticipated that the student teaching assignment takes place. In addition to the requirements for being admitted and retained in the Teacher Education Program, candidates are responsible for meeting the student teaching requirements listed below:

1. Submit Student Teaching Application including a positively evaluated resume and cover letter.
2. Earn the minimum WIU cumulative and WIU major grade point averages (GPAs) listed below with a C- or better in all directed General Education courses, all core courses, and all courses in the option. This rule does not supersede course prerequisite requirements in the catalog that specify a letter grade.

   a. Early Childhood Education: 2.0
   b. Agriculture, Art, Elementary, English, English as a Second Language Education, French, Mathematics, Middle School, Multilingual, Music, Physical Education, Science/Biology–Chemistry–Physics, Spanish, and Special Education: 2.5
   c. History: 2.75
3. Complete EDS 202, 301 or 306, 305, and 401 with a grade of C- or better. (Exception: Students in the Early Childhood Education program should consult their Education Academic Advisors).
4. Complete all pre-clinical field experiences as described on page 241 with a grade of C- or better or a grade of Satisfactory.
5. Meet all academic program prerequisites for student teaching.
6. Receive and submit a positive recommendation from the academic program.
7. Complete the Department of Children and Family Services (DCFS) mandated reporter training and Status Form.
8. Successfully complete the required Illinois State-mandated licensure assessments, including the applicable content tests.
9. Successfully complete a criminal fingerprint background investigation and clear all applicable registries.
10. Complete a State-mandated physical if requested by placement site per legislation.

The candidate must continue to exhibit the dispositions and professional behaviors needed to perform the essential functions of teaching, with or without reasonable approved accommodations. Failure to adhere to these professional dispositions is grounds for dismissal from the program.

Placement

Providing student teachers with quality clinical field experiences in school districts with outstanding teaching reputations is the primary objective of the student teaching semester. There are four regional sites for clinical (student teaching) experiences: the Quad Cities area, Western Illinois area, Chicago, and Suburban Chicago area(s). Specific student teaching sites are determined by the field supervisors charged with the responsibility for placement and supervision of student teachers in each region. Students who wish to be placed outside these regions must submit an appeal and meet with the Field and Clinical Coordinator.

Housing arrangements and transportation during the student teaching semester are the responsibility of each candidate.

Grading

The clinical/student teaching experience is evaluated on an S/U grading system. Candidates must have satisfactorily completed all specific School/program requirements to successfully complete student teaching.

Appeal Procedure

The Selection, Retention, and Appeals Committee, a subgroup of UCEP and the Office of Teacher Education, considers appeals for candidates enrolled in the Teacher Education Program. Should an appeal be necessary, candidates contact their advisor to learn about and prepare for the process. The appeal form is available in Horrabin Hall 40 or on the website at *wiu.edu/teacher*.

Teaching Licensure

Candidates who complete all graduation, major, and School requirements, and teacher education assessments (including successfully passing applicable ILTS Content Tests) will be recommended to the Illinois State Board of Education for the Professional Educators License (PEL). Candidates who are pursuing licensure in other states should pay careful attention to those requirements.

Additional information about the licensing process is available in the TEP Handbook.

Program/licensure requirements are subject to change without notice. Any new State-mandated requirements will supersede program requirements identified herein.

Minors..... 247–271

Accountancy
Advertising and Public Relations
African American Studies
Agricultural Economics
Agricultural Technology Management
Agriculture
Agronomy
Algorithms and Data Management
American Sign Language
Animal Science
Anthropology
App Development
Applied Artificial Intelligence
Applied Mathematics
Art History
Art Studio
Botany
Broadcasting and Journalism
Business
Business Analytics
Cannabis and Culture
Chemistry
Coaching
Communication
Computer Science
Computer Science Education
Conceptual Physics
Construction and Facilities Technology
Corrections
Creative Writing
Criminalistics
Cybersecurity
Dance
Economics
Educational Studies
Emergency Management
Emergency Management – Operational
Emergency Management – Tactical
English
Environmental Studies
Event Planning and Management
Film
Finance
Fire Administration
Fire Science
Forensic Chemistry
Forensic Psychology
Forensic Science
French
Geographic Information Systems
Geography
Global Politics
Graphic Design

Health Communication
History
Homeland Security
Human Resource Management
Industrial Technology
Information Systems
Information Technology
International Business
International Studies
Jazz Studies
Latinx Studies
Law and Society
Law Enforcement and Justice Administration
Legal Studies
Management
Manufacturing Technology
Marketing
Mathematics
Mental Health
Microbiology
Middle Level Literacy Teaching
Middle Level Mathematics Teaching
Middle Level Science Teaching
Middle Level Social Studies Teaching
Military Science
Music
Music Business
Natural Resources Conservation
Network Technologies
Nonprofit Administration
Nutrition
Operations Management
Philosophy
Physics
Plant Breeding
Political Science
Pre-MBA
Precision Agriculture
Professional Writing
Psychology
Public Administration and Public Service
Queer Studies
Recreation, Sport, and Tourism Administration
Religious Studies
Security Administration
Social Media
Sociology
Spanish
Sport Management
Sports Broadcasting
Stage Combat
Supply Chain Management
Sustainable Business
Teaching English to Speakers of Other Languages (TESOL)

Theatre
Weather and Climate
Women's Studies
Zoology

Notes: Certain major/minor combinations are prohibited. Course descriptions begin on page 274.

Accountancy ..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
Note(s): * Business majors should consult with their academic advisor.

1. ACCT 201*, 202*, 341, 452 ..... 12 s.h.
2. Two of the following: ACCT 342, 343, 420 (up to 3 s.h), 445, 451, 455, 457, 460, 470, 471, 480 ..... 6 s.h.

Advertising and Public Relations ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb
Note(s): (1) Not open to students majoring in Public Relations. (2) A maximum of 3 s.h. of BC&J 451 may be applied to this minor.

1. BC&J 200, 340, 341 ..... 9 s.h.
2. Select three of the following courses: BC&J 342, 343, 344, 345, 346, 451, 456 ..... 9 s.h.

African American Studies ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb
Note(s): (1) Not open to students enrolled in the African American Studies option within the Liberal Arts and Sciences major. (2) 6 s.h. of AAS Electives must be chosen from 300- and 400-level courses.

1. AAS 100 ..... 3 s.h.
2. Select one of the following: AAS 251, 281, or 282 ..... 3 s.h.
3. AAS Electives ..... 12 s.h.

Agricultural Economics ..... 16 s.h.

Offered by: School of Agriculture
Location(s): Macomb
Note(s): At least 6 s.h. of upper-division coursework in Agricultural Economics (AGEC) and/or AGRI 390 must be completed at WIU.

Electives chosen from:
AGRI 220, 390
Courses in Agricultural Economics (AGEC prefix)

Agricultural Technology Management ..... 16 s.h.

Offered by: School of Agriculture
Location(s): Macomb
Note(s): At least 6 s.h. of upper-division coursework in Agricultural Technology Management (AGTM) required at WIU.

Electives in Agricultural Technology Management.

Minors

Agriculture ..... 18 s.h.

Offered by: School of Agriculture
Location(s): Macomb
Note(s): 6 s.h. must be upper division at WIU.

1. Select at least three courses from the following:..... 9–11 s.h.
   AGRN 176, 278; ANSC 112; AGTM 207, 250; HORT 180
2. Select additional hours from the School of Agriculture..... 7–9 s.h.

Agronomy ..... 18 s.h.

Offered by: School of Agriculture
Location(s): Macomb

1. AGRN 176, 278..... 8 s.h.
2. Select at least one of the following courses:..... 3–4 s.h.
   AGRI 376; AGRN 373, 377, 470, 472, 476, 479; AGRN/HORT 374
3. Select at least one of the following courses:..... 3 s.h.
   AGRN 378, 473, 478
4. Select at least one more course listed in #2 or #3 above, or
   from CONS..... 3–4 s.h.

Algorithms and Data Management ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): (1) Not open to Computer Science, Cybersecurity, or Information Systems majors. (2) If you wish to take CS 114 as part of this minor, please note that it must be taken before taking CS 214, as credit cannot be given for CS 114 after or in the same semester as credit is given for CS 214.

1. CS 214, 250, 351, 433, 470..... 15 s.h.
2. Select one course from the following: CS 114, 460, 472;
   DS 435, 490; MATH 255, 341..... 3 s.h.

American Sign Language (ASL) ..... 16–18 s.h.

Offered by: School of Applied Clinical, Educational, and Professional Programs
Location(s): Macomb

1. SPA 121, 122, 223, 225..... 12 s.h.
2. Select 2-3 of the following courses, 4–6 s.h. total:
   SPA 325, 391, 418, 494, 499..... 4–6 s.h.

Animal Science..... 18–20 s.h.

Offered by: School of Agriculture
Location(s): Macomb

1. ANSC 112..... 3 s.h.
2. Select one of the following courses:
   ANSC 322, 314, 424..... 3–4 s.h.
3. Select one of the following courses:
   AGRI 376; CHEM 100, 101, 201..... 3–4 s.h.
4. Electives in Animal Science..... 9 s.h.

Anthropology ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb, Online

1. ANTH 110, 111 ..... 6 s.h.
2. Anthropology Electives ..... 12 s.h.

App Development ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): Not open to Computer Science, Cybersecurity, or Information Systems majors.

1. CS 214, 250 ..... 6 s.h.
2. (CSEC 321 and CSEC 422) or (IS 340 and IS 415) ..... 6 s.h.
3. Select two of the following courses: CS 425; CSEC 345; IS 341 ..... 6 s.h.

Applied Artificial Intelligence ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Computer Science.

1. CS 114 or 214 ..... 3 s.h.
2. CS 217, 433, 463 ..... 9 s.h.
3. Select two of the following courses: (CS 301 or CS 302); CS 320, 460, 470, 472, 478, 481; DS 303, 435; IS 405, 425, 466 ..... 6 s.h.

Applied Mathematics ..... 18–19 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Mathematics.

1. MATH 133 or 137 ..... 3–4 s.h.
2. STAT 171 or 276 ..... 3 s.h.
3. Select three of the following courses: MATH 255, 311, 370, 383, 481; STAT 471, 473, 474, 478 ..... 9 s.h.
4. Select one of the following courses: ACCT 201; CS 214; DS 480, 490; ECON 231; FIN 331 ..... 3 s.h.

Art History ..... 18 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb
Note(s): Not open to students majoring in Art (any option).

1. ARTH 282, 283, 394 ..... 9 s.h.
2. Select 300- and 400-level Art History (ARTH) courses ..... 9 s.h.

Art Studio ..... 18 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb
Note(s): Not open to students majoring in Art (any option).

1. ARTS 101, 102, 140; ARTH 180 ..... 12 s.h.
2. Art Electives (Studio only) ..... 6 s.h.

Minors

Botany ..... 17 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb

1. BOT 200 ..... 4 s.h.
2. MICR 200 or ZOOL 200 ..... 4 s.h.
3. Select one from BOT 320, 410, 430 ..... 3 s.h.
4. Select 6 s.h. from BIOL 458, 470; BOT 329, 423, 452, 462, 481 ..... 6 s.h.

Broadcasting and Journalism ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb

1. BC&J 100, 101 ..... 6 s.h.
2. Directed Electives ..... 12 s.h.
   a. Select either BC&J 200 or 201
   b. BC&J Electives, two of which must be at the 300-400 level

Business ..... 24 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb

1. ACCT 201, 202; ECON 231, 232; STAT 171 ..... 15 s.h.
2. Select three of the following courses: ..... 9 s.h.
   FIN 331, IS 340, MGT 349, MGT 481, MGT/OM 352, MKTG 327

Business Analytics ..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb
Note(s): Only 3 s.h. of DS 490 may be counted in the minor.

1. DS 200, 303, 435, and 490 (3 s.h.) ..... 12 s.h.
2. Select remaining hours from CS 114, 214; DS 421, 423, 480, 485; ECON 487, 496; FIN 496; MGT/OM 352; MKTG 329; SOC 323, 324; PSY 223, 323; or other courses approved by School ..... 6 s.h.

Cannabis and Culture ..... 18 s.h.

Offered by: College of Humanities, Arts, Sciences, and Education
Location(s): Macomb, Online
Note(s): (1) This is an interdisciplinary minor. As such, it includes courses from at least two Schools (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor in the School or College offering the minor. (2) A maximum of 3 s.h. of LAS 420 may count for this minor.

1. ANTH 180, LAS 420, REL 180 ..... 9 s.h.
2. Select 9 s.h. from the following courses with at least 3 s.h. at the 300- or 400-level. No more than two courses from one School: ANTH/BIOL 210; ANTH/REL 324; ANTH 333; ANTH/BOT 463; ENG 363; HIST 385; PHIL 120; POLS 302, 400 ..... 9 s.h.

Chemistry ..... 19–21 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb

1. CHEM 201, 202, and either 330 or 331 ..... 13 s.h.
2. Any two courses from: CHEM 332, 341, 351, 370/374, 375, 421, 425, 433 ..... 6–8 s.h.

Coaching ..... 17 s.h.

Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb

1. KIN 271, 294, 466, 472 ..... 12 s.h.
2. Choose one of the following courses: HLTH 441; KIN 270, 286, 359, 397; NUTR 109 ..... 3 s.h.
3. Choose one of the following courses: KIN 451, 454, 459 ..... 2 s.h.

Communication ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online

1. COMM 130 and 247 ..... 6 s.h.
2. Select three of the following: COMM 312, 343, 344, 356 ..... 9 s.h.
3. COMM Electives from courses numbered 300 or higher ..... 3 s.h.

Computer Science ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb, Online
Note(s): For the Traditional track, a total of 6 s.h. of the Computer Science Electives must be at the 300 level or above. For the Computer Applications track, all 6 s.h. of the Computer Science Electives must be at the 300 level or above.

Traditional

1. CS 114, 214, 250 ..... 9 s.h.
2. Computer Science Electives ..... 9 s.h.

Computer Applications

1. CS 101, (CS 114 or CS 220 or CS 488), (CS 301 or CS 302), and (CS 315 or IS 340) ..... 12 s.h.
2. Computer Science Electives ..... 6 s.h.

Computer Science Education ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb, Online
Note(s): (1) Not open to students majoring in Computer Science. (2) This minor is not sufficient for an Illinois Professional Educator License.

1. CS 214, 250, 315, 320, 439 ..... 15 s.h.
2. Select one course from the following: CS 114 (if taken prior to CS 214), 433 ..... 3 s.h.

Conceptual Physics ..... 16 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Physics.

1. PHYS 300 ..... 3 s.h.
2. Choose at least 13 s.h. from the following courses: ..... 13 s.h.
   PHYS 100, 101, 114, 115, 124, 125, 150, 182, 476 (up to 4 s.h.), 477 (up to 3 s.h.)

Construction and Facilities Technology ..... 18 s.h.

Offered by: School of Engineering and Technology
Location(s): Macomb
Note(s): Not open to students majoring in Construction Management.

1. CSTM 132, 230, 234, 348 ..... 12 s.h.
2. Choose 6 s.h. from the following: CSTM 236, 260, 301, 302, 336, 337, 345, 430, 433, 434, 440, 460; ET 105, 344, 346 ..... 6 s.h.

Corrections ..... 24 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

1. LEJA 101, 201, 202, 313, 442 ..... 15 s.h.
2. Choose three courses from the following: AAS 251; ECON 350; LEJA 444; PSY 250, 251, 334, 424; SOC 300, 424, 435, 455; SW 332 ..... 9 s.h.

Creative Writing ..... 17–18 s.h.

Offered by: School of Humanities
Location(s): Macomb

1. ENG 285 ..... 3 s.h.
2. Choose one of the following three sequences: ..... 6 s.h.
   a. ENG 385 and 485
   b. ENG 386 and 486
   c. ENG 387 and 487
3. Choose one intermediate course in second genre: ..... 2–3 s.h.
   ENG 385, 386, 387; THEA 409, 419
4. Choose two literature courses from the following: ..... 6 s.h.
   ENG 200, 201, 202, 300, 358, any 300-400 level course in English Literature

Criminalistics ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb

Plan A—Law Enforcement and Justice Administration majors

1. LEJA 212, 355, 412, 455 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: ANTH 405; ARTS 140, 246; CHEM 101, 440; COMM 305, 341, 344, 377; CS 305, 395, 455; EM 460, 465; ENG 380; FS 486; GIS 403; HLTH 311; LEJA 333, 415 ..... 6 s.h.

Plan B—Other majors

1. LEJA 212, 255, 355, 455 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: ANTH 405; ARTS 140, 246; CHEM 101, 440; COMM 247, 305, 341, 344, 377; CS 305, 395, 455; EM 460, 465; ENG 380; FS 486; GIS 403; HLTH 311; LEJA 333, 415 ..... 6 s.h.

Cybersecurity ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): Not open to students enrolled in the Cybersecurity major, the Cybersecurity emphasis within the Computer Science major, or the Cybersecurity emphasis within the Information Systems major.

1. CSEC 321; IS 315 ..... 6 s.h.
2. Choose one course from each of the following categories:
   a. CS 114 or CS 214 ..... 3 s.h.
   b. CS/CSEC 395 or CS 455 ..... 3 s.h.
3. Choose 6 s.h. from the following: ..... 6 s.h.
   CSEC 101, 102; CS 305, 306, 320; IS 455; or any 300- or 400-level CSEC course

Dance ..... 19 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb
Note(s): A maximum of 2 s.h. of DAN 386 may count toward the minor.

1. DAN 119, 210, 213, 219, 310, 313 ..... 11 s.h.
2. Select a minimum of 3 s.h. from the following courses: ..... 3 s.h.
   DAN 382, 385
3. Select a minimum of 5 s.h. from the following courses: ..... 5 s.h.
   DAN 110, 112, 113, 116, 210, 212, 213, 216, 310, 313, 316, 386, 413, 490

Economics ..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online

1. ECON 231, 232 ..... 6 s.h.
2. Economics Electives: 9 s.h. of upper division coursework is required ..... 12 s.h.

Educational Studies..... 17 s.h.

Offered by: School of Education
Location(s): Macomb

1. EDS 110 (3 s.h.), 202, 301, 401 ..... 11 s.h.
2. SPED 300 or 390 ..... 3 s.h.
3. Select 3 s.h. from the following courses: C&I 170, 270, 370; EDS 220, 305, 320, 405, 427, 499; ENG 381; HLTH 400; MGT 349; MKTG 327; RSTA 235, 367, 370, 424; SPED 280 ..... 3 s.h.

Emergency Management..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

1. EM 276, 304, 323, 401 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: EM 251, 252, 425, 461, 470, 477, 478; FS 210; GEOG 430; GIS 202; HLTH 400; POLS 300 ..... 6 s.h.

Emergency Management—Operational ..... 17–23 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

Plan A—Emergency Management majors

Choose 6 of the following courses: ..... 17–21 s.h.
EM 251, 252, 441, 461, 465, 478; GEOL 310; GIS 201; LEJA 208, 309; METR 220

Plan B—Other majors

1. Choose 3 of the following courses: EM 276, 304, 323; GIS 202 ..... 9–10 s.h.
2. Choose 3 of the following courses: EM 251, 252, 276, 304, 323, 401, 441, 461, 465, 478; GEOL 310; GIS 201, 202; LEJA 208, 309; METR 220 ..... 8–13 s.h.

Emergency Management—Tactical ..... 18–23 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

Plan A—Emergency Management majors

Choose 6 of the following courses: ..... 18–21 s.h.
EM 251, 252, 441, 465, 478; FS 211, 303; LEJA 208, 230, 231, 309, 414, 416

Plan B—Other majors

1. Choose 3 of the following courses: EM 276, 304, 323; GIS 202 ..... 9–10 s.h.
2. Choose 3 of the following courses: EM 251, 252, 276, 304, 323, 401, 441, 460, 465, 478; FS 211, 303; GIS 202; LEJA 208, 230, 231, 309, 414, 416 ..... 9–13 s.h.

English ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb
Note(s): At least three of the English Electives must be taken at the 300-400 level

1. ENG 299 ..... 3 s.h.
2. English Electives ..... 15 s.h.

Environmental Studies ..... 18–22 s.h.

Offered by: College of Humanities, Arts, Sciences, and Education
Location(s): Macomb
Note(s): This is an interdisciplinary minor. As such, it includes courses from at least two Schools (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor in the School or College offering the minor.

1. ENVR 201, 401 ..... 6 s.h.
2. Must take at least one course from each Foundation Area and a fourth course from any Foundation Area ..... 12–16 s.h.
   a. Foundation Area 1: Environmental and Earth Sciences: AGRN 278; BIOL 350, 453; CHEM 342; GEOL 113, 310, 375, 380; HLTH 310, 311; METR 327; PHYS 124
   b. Foundation Area 2: Human Dimensions and Environmental Interactions: ANTH/WS 395; ANTH 410; ANTH/BOT 463; ENG 481; HIST 316, 420; RSTA 376, 448
   c. Foundation Area 3: Environmental Management and Decision-Making: CONS 405; ECON/AGEC 430; GEOG/BIOL 426; INAG 310; MGT 481

Event Planning and Management ..... 16 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb

1. RSTA 199, 367, 467 ..... 7 s.h.
2. BC&J 340 ..... 3 s.h.
3. Directed Electives
   a. Choose 3 s.h. from the following: RSTA 300, 422, 424, 461, 466, 482 ..... 3 s.h.
   b. Choose 3 s.h. from the following: B L 230; COMM 314, 343, 344, 345, 346; MGT 349; MKTG 327; THEA 321 ..... 3 s.h.

Film ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb

1. ENG/BC&J 290, 390, 496 ..... 9 s.h.
2. 9 s.h. of elective courses chosen from the following: BC&J 333; BC&J/ENG 394; BC&J/ENG/WS 494; ENG 389, 392, 393, 395; ENG/REL 492; F L 392; THEA 473 ..... 9 s.h.

Finance ..... 16 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online

1. FIN 311 or FIN 331 ..... 3 s.h.
2. Finance Electives ..... 9 s.h.
3. Business Electives ..... 4 s.h.

Fire Administration ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

1. FS 481, 482, 483, 485 ..... 12 s.h.
2. Any two of the following: FS 300, 345, 443, 444, 484, 488; HRM 353, 443; POLS 300, 302; SOC 487, 488 ..... 6 s.h.

Fire Science ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online
Note(s): Not open to students majoring in Fire Protection Services.

1. FS 210, 212, 301, 444 ..... 12 s.h.
2. Choose at least 6 s.h. from the following courses: EM 251, 252, 323, 461, 478; FS 302, 345, 443, 484, 486, 487, 488; LEJA 230, 231; SOC 487, 488 ..... 6 s.h.

Forensic Chemistry ..... 20–21 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Chemistry.

1. CHEM 201, 202, 330, 440 ..... 17 s.h.
2. Select one of the following: ..... 3–4 s.h.
   a. CHEM 485—internship at a state laboratory with placement approval by minor advisor.
   b. One course selected from: ANTH 405; BIOL 330; CHEM 341, 351, 421; MICR 200, 434; ZOOL 430

Forensic Psychology ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb
Note(s): (1) Not open to students majoring in Psychology. (2) PSY 490 may be taken twice, once as a core requirement and once as a Directed Elective, but they must be on different topics in Forensic Psychology.

1. PSY 100, 453, 490 ..... 9 s.h.
2. Select 6 hours from the following: PSY 221, 250, 251, 357, 380, 422, 424, 433, 451, 452, 456, 490 ..... 6 s.h.
3. Select 3 hours from the following: ANTH 405; PHIL 205; POLS 319; SOC 255, 300, 355, 425, 445; WS/SOC 435 ..... 3 s.h.

Forensic Science.....19–20 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Chemistry.

1. CHEM 101, 102, 221, 440 ..... 16 s.h.
2. Select one of the following options:.....3–4 s.h.
   a. CHEM 485—internship at a state laboratory with placement approval by minor advisor.
   b. One course selected from: ANTH 405; BIOL 330; CHEM 351; MICR 200, 434; ZOOL 430

French ..... 16 s.h.

Offered by: School of Humanities
Location(s): Macomb
Note(s): (1) Students majoring in Foreign Languages and Cultures with French as their secondary language and who are minoring in French may count only one FR course (up to 4 s.h.) in the minor. (2) Courses numbered 279, 361, or 379 may not be used in the French minor.

1. FR 122, 223, 224..... 10 s.h.
2. Upper-division (300/400 level) FR coursework, with at least one course (3 s.h.) taken at WIU.....6 s.h.

Geographic Information Systems .....19–20 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb, Online
Note(s): Not open to students majoring in Geographic Information Science.

1. GIS 202, 309, and 405 ..... 10 s.h.
2. Choose one of the following courses: GIS 402, 407, 408.....3 s.h.
3. Choose two of the following courses: GIS 108, 201, 302, 402, 403, 404, 407, 408, 410 .....6–7 s.h.

Geography .....18–21 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb, Online
Note(s): Not open to students majoring in Geographic Information Science.

1. Any three courses selected from: GEOG 100, 110, 121; GIS 108; METR 120.....10–12 s.h.
2. Upper-division electives to be approved by the advisor.....8–9 s.h.

Global Politics ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb

1. POLS 228 and 267.....6 s.h.
2. Directed Electives..... 12 s.h.
   a. Select at least two courses from the following: POLS 331, 334, 338, 340, 353, 440, 446
   b. In addition, two courses may be chosen from the following: POLS 322, 324, 329, 400, 424, 465

Graphic Design ..... 21 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb
Note(s): Not open to students majoring in Art (any option).

1. ARTS 101, 140, 215 ..... 9 s.h.
2. Select four courses from: ARTS 246, 314, 315, 316, 415 ..... 12 s.h.

Health Communication ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb

1. COMM 130, 333, and 425 ..... 9 s.h.
2. Select three of the following: COMM 235, 315, 341, 343, 344, 356, 428, 456, 457, 496 ..... 9 s.h.

History ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb, Online
Note(s): (1) At least 6 s.h. must be earned at the upper division level at a senior institution. (2) Transfer students may use world history credits to satisfy the major or minor requirements for HIST 115 and 116.

1. Select three courses from: HIST 105, 106, 115, 116 ..... 9 s.h.
2. History Electives ..... 9 s.h.

Homeland Security ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online
Note(s): Sophomore standing required to declare this minor.

1. LEJA 230, 231, 414, 416 ..... 12 s.h.
2. Choose two courses from the following: BC&J 400; CS 455; DS 435; ECON 310; EM 401, 460, 461, 465, 478; HLTH 377; LEJA 332, 333, 415; POLS 353; REL 456; SOC 462 ..... 6 s.h.

Human Resource Management ..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
Note(s): * Business majors should consult with their academic advisor.

1. B L 230*, MGT 349*, HRM 353 ..... 9 s.h.
2. Select three courses from the following: HRM 441, 442, 443, 444, 446, 449 ..... 9 s.h.

Industrial Technology ..... 18 s.h.

Offered by: School of Engineering and Technology
Location(s): Macomb, Online

1. ET 105 ..... 3 s.h.
2. 15 s.h. chosen from the following: ..... 15 s.h.
   a. ET Electives from any area of specialization as approved by the student's academic advisor
   b. MGT 349
   c. MGT/OM 352

Information Systems ..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb, Online
Note(s): Not open to students majoring in Cybersecurity.

1. CS 214; IS 340, 341, 342 ..... 12 s.h.
2. Select remaining hours from CS 114 or upper division IS courses..... 6 s.h.

Information Technology..... 18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Cybersecurity.

1. CS 114 or 214; IS 340; CSEC 321 ..... 9 s.h.
2. Choose one course from each of the following categories: ..... 9 s.h.
   a. Computer Science: CS 305, 315, 320, 455, 483
   b. Information Systems: IS 315, 325, 341, 415, 455
   c. Cybersecurity: CSEC 322; CS/CSEC 395, 398

International Business ..... 16–24 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb
Note(s): Non-business majors are strongly encouraged to consult Business Advising to ensure timely completion of the minor.

Option I: Business Majors ..... 16 s.h.

1. Foreign Language (3–4 s.h); MKTG 317 ..... 6–7 s.h.
2. 9 or 10 s.h. from HRM 444, INAG 310, MGT 485, MKTG 417, SCM 411; one course may be taken from Foreign Languages (any second course in the same language as core course), BAT 300, NUTR 300, POLS 331, or History (any non-U.S. History course at the 300 or 400 level) ..... 9–10 s.h.

Option II: Non-Business Majors ..... 24 s.h.

1. Foreign Language (3 or 4 s.h.); MKTG 317; 6 s.h. from ACCT 200, ECON 231, FIN 311, MGT 349, MGT 125, MKTG 327, SCM 311 ..... 12–13 s.h.
2. 11–12 s.h. from same courses listed in Option I.2 ..... 11–12 s.h.

International Studies ..... 18 s.h.

Offered by: College of Humanities, Arts, Sciences, and Education
Location(s): Macomb
Note(s): (1) This is an interdisciplinary minor. As such, it includes courses from at least two Schools (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor in the School or College offering the minor. (2) The course chosen in #2 must not be in the discipline housing the student's major.

1. POLS 228 ..... 3 s.h.
2. Choose one of the following four courses:
   ANTH 110, GEOG 110, HIST 116, POLS 267 ..... 3 s.h.
3. Language Component ..... 0–6 s.h.
   Some, but not all, of the areas of study require a foreign language. Language study is encouraged but not required for the others. This requirement can be satisfied in whole or part by proficiency credit. The areas which involve language requirements are:
   Latin America (6 hours Spanish)
   Eastern Europe (6 hours German)
   Western Europe (6 hours French or 6 hours German or 6 hours Spanish)
4. Area Studies ..... 6–12 s.h.
   This requirement is for 6 or 12 s.h., depending on whether a language is required for the student's area of study (see 2 above). If a language is required in 2, only 6 s.h. are required here. If no language is required in 2, 12 s.h. are required. Note that courses in a non-required but appropriate language (e.g., Japanese for a student in Asian Studies) can satisfy part of this requirement. Courses must be in a minimum of two Schools. The elective courses from which the student must elect 6 or 12 s.h., as appropriate, are listed below by area.
   a. African Studies
      AAS/HIST 349; AAS/GEOG 466; ANTH 201; INAG 310
   b. Asian Studies
      ANTH 201; GEOG 466; HIST 345, 346; INAG 310; REL 350, 355
   c. Latin American Studies
      ANTH 201; GEOG 466; HIST 241; INAG 310; POLS 329
   d. Middle Eastern Studies
      ANTH 201; INAG 310; REL 365
   e. Russian and East European Studies
      ARTH 489; GEOG 466
   f. Western European Studies
      ARTH 283; ENG 328; HIST 328, 427, 438; MKTG 317; PHIL 300, 310; POLS 322; SPAN 408; THEA 390, 391

Jazz Studies ..... 16 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb

1. MUS 187, 194, 208 (2 s.h.) ..... 6 s.h.
2. Select 6 s.h. from MUS 167, 248, 367, 387, 444 ..... 6 s.h.
3. Select 4 s.h. from Jazz Ensembles (MUS 117, 127, and 128) and/or Jazz Applied Study ..... 4 s.h.

Latinx Studies ..... 16 s.h.

Offered by: School of Humanities
Location(s): Macomb

1. F L 150, 250, 498 ..... 7 s.h.
2. POLS 224 ..... 3 s.h.
3. Choose 2 courses with 2 different prefixes: ..... 6 s.h.
   ANTH 201; BC&J 352; ENG 348; HIST 241; MUS 394;
   POLS 311, 324; SOC 300; SPAN 320, 392, 409; WS 270

Law and Society ..... 18 s.h.

Offered by: College of Humanities, Arts, Sciences, and Education
Location(s): Macomb
Note(s): (1) This is an interdisciplinary minor. As such, it includes courses from at least two Schools (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor in the School or College offering the minor. (2) This minor supports the pre-professional program in Law.

1. PHIL 205 or POLS 226 ..... 3 s.h.
2. Directed Electives ..... 15 s.h.
   Courses must be selected from the following list. They must be drawn from three different Schools, not including the student's major. Student may count PHIL 205 as a Directed Elective only if the student has taken POLS 226:
   BC&J 400; HIST 303; LEJA 212, 312, 441; PHIL 205, 330, 420;
   POLS 319, 382, 410, 411, 448; PSY 453; REL 300; SOC 355, 463

Law Enforcement and Justice Administration ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online
Note(s): At least 6 s.h. of LEJA coursework must be taken from WIU, excluding LEJA 404.

1. LEJA 101, 212, 306 ..... 9 s.h.
2. Any one of the following: LEJA 440, 441, 442, 443, 444 ..... 3 s.h.
3. LEJA Electives ..... 6 s.h.

Legal Studies ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb
Note(s): (1) Not open to students majoring in Law Enforcement and Justice Administration. (2) This minor supports the pre-professional program in Law.

1. LEJA 212, 312, 412, 441 ..... 12 s.h.
2. Choose any two of the following: B L 230, 431, 432; LEJA 413, 414, 415; FS 485 ..... 6 s.h.

Management..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online
Note(s): * Business majors should consult with their academic advisor.

1. BL 230*, MGT 349*, MGT/OM 352, HRM 353..... 12 s.h.
2. Select two courses from the following: MGT 350, 445, 448, 472, 474, 481, 483, 485..... 6 s.h.

Manufacturing Technology ..... 21 s.h.

Offered by: School of Engineering and Technology
Location(s): Macomb
Note(s): Not open to students majoring in Engineering Technology.

1. ET 105, 241, 345..... 9 s.h.
2. Choose 12 s.h. from the following: ET 207, 261, 344, 356, 367, 403, 446, 468, 477, 481, 482..... 12 s.h.

Marketing..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online

1. MKTG 327..... 3 s.h.
2. ACCT 200 or ACCT 201 or ECON 232..... 3 s.h.
3. Marketing Electives..... 9 s.h.
4. Business Elective..... 3 s.h.

Mathematics ..... 17 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb, Quad Cities
Note(s): Students majoring in Physics and minoring in Mathematics may count PHYS 406 as one three-hour Mathematics elective course numbered above 300.

1. MATH 133, 134..... 8 s.h.
2. At least 9 hours of approved Mathematics Electives with at least 6 of the hours in courses numbered above 300..... 9 s.h.

Mental Health ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb
Note(s): (1) PSY 460 and PSY 463 may account for a total of 4 s.h. (2) PSY 487 and PSY 490 may account for a total of 3 s.h.

1. PSY 251, 380, 424..... 9 s.h.
2. Choose 9 s.h. from the following: AAS 251; HLTH 441; HLTH/WS 321; PSY 243, 334, 353, 427, 433, 434, 442, 444, 451, 460 or 463 (lab experience or readings must be in a mental health area), 487, 490; SOC 424; SW 331, 338..... 9 s.h.

Microbiology ..... 17 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb

1. MICR 200 ..... 4 s.h.
2. BOT 200 or ZOOL 200 ..... 4 s.h.
3. Select one from MICR 400, 401, 423 ..... 3 s.h.
4. Select one from BIOL 466, MICR 451 ..... 3 s.h.
5. Select one from MICR 405, 434, 460, 463, 464 ..... 3 s.h.

Middle Level Literacy Teaching ..... 24 s.h.

Offered by: School of Education
Location(s): Macomb
Note(s): This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

1. ENG 299, 433; LA 367, 433, 434 ..... 15 s.h.
2. Directed Electives ..... 9 s.h.
   a. ENG 303 or LA 467
   b. In consultation with advisor, select 6 additional s.h. (any combination) from English (ENG) in either Forms or Social Justice major categories, Educational Studies (EDS) courses which are part of ISBE Bilingual/English as a Second Language endorsement, or Language Arts (LA)

Middle Level Mathematics Teaching ..... 24 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb
Note(s): This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

MATH 106, 128, 137, 206, 367, 402, 407; STAT 171 ..... 24 s.h.

Middle Level Science Teaching ..... 24 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb
Note(s): This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes.

1. BIOL 101; CHEM 101; GEOL 110; PHYS 114; SCED 465 ..... 19 s.h.
2. Take 5 additional semester hours from one or more of the following areas; at least one course must be a lab course: ..... 5 s.h.
   a. Biology (excluding BIOL 100 and 170), Botany, Microbiology, and/or Zoology
   b. Chemistry (excluding CHEM 100 and 150)
   c. Geography (excluding GEOG 100, 110, 251, 341, 443, 448, 450, and 466)
   d. Geology (excluding GEOL 112)
   e. Physics (excluding PHYS 100, 101, and 124; also, students may not count both PHYS 115 and 125)

Middle Level Social Studies Teaching ..... 24 s.h.

Offered by: School of Humanities
Location(s): Macomb
Note(s): This minor is offered in conjunction with the major in Middle Level Education. By itself, this minor will not be sufficient for education endorsement purposes. For this minor, SSED 439 does not require EDS 301 as a prerequisite.

1. HIST 115, 116; GEOG 100; POLS 267; SSED 439 ..... 15 s.h.
2. Directed Electives
   a. Two upper-division courses from History Directed Electives Area I (U.S. History) ..... 6 s.h.
   b. One upper-division course from History Directed Electives Area II (World History) ..... 3 s.h.

Military Science ..... 18 s.h.

Offered by: Military Science Program
Location(s): Macomb
Note(s): Electives must be approved by Professor of Military Science.

1. MS 311, 312, 411, and 412 at the junior and senior level ..... 12 s.h.
2. HIST 304 ..... 3 s.h.
3. Approved elective in an area other than the student's major ..... 3 s.h.

Music ..... 16 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb
Note(s): A maximum of 5 s.h. of ensemble and/or applied study may be counted toward the minor.

1. MUS 181 and 183 ..... 3 s.h.
2. Select 6 s.h. from MUS 190, 194, 195, 196, 197, 198, 390, 391, 394 ..... 6 s.h.
3. Select 7 s.h. of Music Electives to meet student needs and interests ..... 7 s.h.

Music Business ..... 17 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb

1. MUS 141, 248, 341 ..... 7 s.h.
2. Select 6 s.h. from: BC&J 101; MUS 190, 194, 195, 196, 197, 198, 348, 394, or 181 and 183; THEA 145 ..... 6 s.h.
3. Select 4 s.h. from: MUS 241, 345, 441, 444 ..... 4 s.h.

Natural Resources Conservation ..... 16 s.h.

Offered by: School of Agriculture
Location(s): Macomb

1. AGRN 278 ..... 4 s.h.
2. One of the following: CONS 405 or GEOG 426 ..... 3–4 s.h.
3. Remaining electives to be selected by the student and minor advisor ..... 8–9 s.h.
   Select three of the following courses: BOT 452; CONS 305; FOR 308; GEOL 110; MICR 200; RSTA 376, 487, 488; ZOOL 451

Network Technologies.....18 s.h.

Offered by: School of Computing, Data, and Mathematical Sciences
Location(s): Macomb

1. CS 114, 214; CSEC 321, 322.....12 s.h.
2. Choose any two from: CSEC 323, 375, 422, 436; CS 320; CS/CSEC 395.....6 s.h.

Nonprofit Administration .....19 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb

1. RSTA 199, 370, 422, 424.....10 s.h.
2. BC&J 340.....3 s.h.
3. Choose 3 s.h. from the following courses: B L 230; HRM 353; MGT 349; MKTG 327; POLS 302; RSTA 235, 467, 482.....3 s.h.
4. Choose 3 s.h. from the following courses: AAS 100; LAS 210; POLS 224; SOC 300; SOC/WS 360.....3 s.h.

Nutrition.....18 s.h.

Offered by: School of Nursing, Applied Health, and Human Performance
Location(s): Macomb, Online
Note(s): Not open to students majoring in Nutrition and Dietetics or Nutrition and Foodservice Management.

1. NUTR 109, 209, 305, 404.....12 s.h.
2. Select 6 s.h. from the following courses:.....6 s.h.
   NUTR 203, 220, 300, 301, 306, 308, 320, 379, 405, 450 (Sports Nutrition), 450 (Weight Management), 450 (Healthy Cooking); NUTR/HLTH 407, 408, 411

Operations Management.....18–21 s.h.

Offered by: School of Engineering and Technology
Location(s): Macomb
Note(s): * Business majors should consult with their academic advisor.

1. ACCT 201* and 202*, or (preferred) ACCT 307*.....3–6 s.h.
2. ET 344, 345; HRM 353; MGT/OM 352; ENGR/SCM 457.....15 s.h.

Philosophy .....18 s.h.

Offered by: School of Humanities
Location(s): Macomb, Online

Complete a minimum of six courses (18 s.h.) in Philosophy, three of which (9 s.h.) must be 300- or 400-level courses.

Physics ..... 16 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb

1. PHYS 300 ..... 3 s.h.
2. Choose one of the following sequences: ..... 8 s.h.
   a. PHYS 211, 212
   b. PHYS 211, 213
3. At least 5 s.h. of approved Physics elective courses numbered 300 or above; may not include more than 3 s.h. of PHYS 477 ..... 5 s.h.

Plant Breeding ..... 18–22 s.h.

Offered by: School of Agriculture
Location(s): Macomb

1. AGRN 176 or HORT 180 or BOT 200 ..... 3–4 s.h.
2. AGRI 376 or BIOL 340 ..... 3–4 s.h.
3. AGRN 472 and 476 ..... 6 s.h.
4. Select two courses from the following: AGRN 373, 378, 470; AGRN/HORT 374; BIOL 330; BOT 320, 329, 430, 461, 481; CHEM 421; STAT 171 ..... 6–8 s.h.

Political Science ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb, Online

1. POLS 122 ..... 3 s.h.
2. Directed Electives ..... 15 s.h.
   a. One course chosen among POLS 381, 382, 383, 388, 389
   b. One course chosen among POLS 228, 267, 284, 300
   c. Select a minimum of 9 s.h. of Political Science courses; at least 6 s.h. of POLS electives must be chosen from courses numbered 300 or above.

Pre-MBA ..... 21–27 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb
Note(s): Not open to students majoring in Accountancy or Business Administration.

1. ACCT 307 (or ACCT 201 and 202) ..... 3–6 s.h.
2. ECON 408 (or ECON 231 and 232) ..... 3–6 s.h.
3. FIN 331 ..... 3 s.h.
4. IS 340 ..... 3 s.h.
5. MGT 349 ..... 3 s.h.
6. MKTG 327 ..... 3 s.h.
7. STAT 171 ..... 3 s.h.

Precision Agriculture ..... 18 s.h.

Offered by: School of Agriculture
Location(s): Macomb

1. AGTM 207, 471, 472; GIS 201 ..... 12 s.h.
2. Select at least two of the following courses: AGRN 373, 377, 378, 473, 479; AGRN/HORT 374; AGTM 350, 464; CONS 305, 405; CS 470, 491; GIS 309, 405; ET 477, 481 ..... 6 s.h.

Professional Writing ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb, Online
Note(s): No more than one course which fulfills a requirement for a major may be counted in the minor.

1. ENG 381 and 481 ..... 6 s.h.
2. Three elective courses chosen from: ENG 281, 370, 380, 382, 387, 388, 480, 483, 484, 487, 489, 495 (maximum of 3 s.h. of ENG 495) ..... 9 s.h.
3. Writing Instruction in the Disciplines (WID) course from any major ..... 3 s.h.

Psychology ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb, Quad Cities, Online

1. PSY 100 ..... 3 s.h.
2. Psychology Electives ..... 15 s.h.

Public Administration and Public Service ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb

1. POLS 122, 300 ..... 6 s.h.
2. Political Science Electives selected among the following courses: ..... 12 s.h.
   POLS 302, 402 (maximum of 3 s.h.), 490, 493, 494
   One course may be selected from the following:
   POLS 223, 401 (maximum of 3 s.h.), 470

Queer Studies ..... 16 s.h.

Offered by: College of Humanities, Arts, Sciences, and Education
Location(s): Macomb
Note(s): This is an interdisciplinary minor. As such, it includes courses from at least two Schools (not including the student's major). To enroll in an interdisciplinary minor, students should consult their major academic advisor and the minor advisor in the School or College offering the minor.

1. QS 100, 400 ..... 7 s.h.
2. Three of the following: ENG 359; SOC 427; WS 280, 355 ..... 9 s.h.

Recreation, Sport, and Tourism Administration ..... 16 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online

1. RSTA 111, 199 ..... 4 s.h.
2. RSTA Electives (RSTA 398, 399, 499 cannot apply to minimum total) ..... 12 s.h.

Religious Studies ..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb, Online

1. REL 100 ..... 3 s.h.
2. Complete any five Religious Studies courses (3 of which must be at the 300 or 400 level) ..... 15 s.h.

Security Administration ..... 18 s.h.

Offered by: School of Law Enforcement and Justice Administration
Location(s): Macomb, Online

Plan A—Law Enforcement and Justice Administration majors

1. LEJA 208, 309, 413, 443 ..... 12 s.h.
2. Choose 6 s.h. from the following courses: ACCT 201, 202; CS 305, 455; ET 448; FIN 449, 452; FS 210; HLTH 270, 311, 377; HRM 353, 443; LEJA 430; MGT 349; MKTG 327 ..... 6 s.h.

Plan B—Other majors

LEJA 101, 208, 255, 309, 413 (note prerequisites), 443 ..... 18 s.h.

Social Media ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online
Note(s): Not open to students majoring in Public Relations.

1. COMM 130, 345, 445 ..... 9 s.h.
2. Choose three of the following: BC&J 340, 345; COMM 312, 333, 346, 356, 360, 456 ..... 9 s.h.

Sociology ..... 18 s.h.

Offered by: School of Social Sciences
Location(s): Macomb, Online

1. SOC 100 ..... 3 s.h.
2. Sociology Electives ..... 15 s.h.

Spanish ..... 16 s.h.

Offered by: School of Humanities
Location(s): Macomb, Quad Cities
Note(s): (1) Students majoring in Foreign Languages and Cultures with Spanish as their secondary language and who are minoring in Spanish may count only one SPAN course (up to 4 s.h.) in the minor. (2) Courses numbered 279, 361, or 379 may not be used in the Spanish minor.

1. SPAN 122, 223, 224 ..... 10 s.h.
2. Upper-division (300/400 level) SPAN coursework, with at least one course (3 s.h.) taken at WIU ..... 6 s.h.

Sport Management ..... 16 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb, Online

1. RSTA 199, 364, 430 ..... 7 s.h.
2. BC&J 300 ..... 3 s.h.
3. Directed Electives
   a. Select 3 s.h. from:
      RSTA 367, 424, 482 ..... 3 s.h.
   b. Select 3 s.h. from:
      B L 230; COMM 341, 343, 344, 345, 346; HRM 353;
      MGT 349; MKTG 327 ..... 3 s.h.

Sports Broadcasting ..... 18 s.h.

Offered by: School of Communication, Media, and Experience Industries
Location(s): Macomb
Note(s): Not open to students who are enrolled in the Sports Broadcasting emphasis of the Broadcasting and Journalism major.

BC&J 220, 300, 301, 320, 321, 420 ..... 18 s.h.

Stage Combat ..... 19 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb

1. THEA 100 ..... 3 s.h.
2. THEA 470 ..... 4 s.h.
3. THEA 474 (taken for 3 different weapons) ..... 12 s.h.

Supply Chain Management ..... 18 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb, Online

1. SCM 311 and 411 ..... 6 s.h.
2. Supply Chain Management Electives ..... 9 s.h.
3. Business Elective ..... 3 s.h.

Minors

Sustainable Business..... 17 s.h.

Offered by: School of Accounting and Business Administration
Location(s): Macomb
Note(s): This minor is designed for students with majors in the College of Business, Health, and Community Programs, but it is not limited to them. Students with majors outside the College may be required to enroll in additional semester hours of coursework to meet the prerequisites of courses required for this minor. These students should consult with their academic advisors to ensure timely completion of the minor.

1. AGEC/ECON 430; ENVR 201, 401; MGT 483..... 12 s.h.
2. Select two courses from the following: ACCT 451, 452, 469; AGEC 460; AGRN 370, 373, 374, 377; CONS 305, 405; CS 410, 420, 470, 491; CSTM 337, 434, 440; DS 200; ECON 350, 351, 465; ENGR/SCM 457; ET 344, 345; FIN 321, 331, 449, 470; HRM 442, 449; INAG 310; IS 340, 343; MKTG 329, 333, 433; MGT/OM 352; MGT 445, 455, 481; SCM 453, 465..... 5 s.h.

Teaching English to Speakers of Other Languages (TESOL)..... 18 s.h.

Offered by: School of Education
Location(s): Macomb, Online

1. EDS 427, 435, 457, 458..... 12 s.h.
2. Select two courses from EDS 430, 440, 447, 453..... 6 s.h.

Theatre..... 18 s.h.

Offered by: School of Visual and Performing Arts
Location(s): Macomb

1. THEA 100, 150, 172..... 9 s.h.
2. Select 2–3 s.h. from the following: THEA 101, 390, 391, 392..... 2–3 s.h.
3. Theatre (THEA) electives..... 6–7 s.h.

Weather and Climate..... 16–17 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb
Note(s): Not open to students majoring in Meteorology.

1. METR 120, 220, 327, 337..... 13 s.h.
2. Choose one of the following: GEOG 301, 430; METR 300, 322, 329, 333, 432..... 3–4 s.h.

Women's Studies..... 18 s.h.

Offered by: School of Humanities
Location(s): Macomb, Online

1. WS 190, 355..... 6 s.h.
2. WS Electives..... 12 s.h.

Zoology ..... 17 s.h.

Offered by: School of Natural Sciences
Location(s): Macomb

1. ZOOL 200 ..... 4 s.h.
2. BOT 200 or MICR 200 ..... 4 s.h.
3. Select one from ZOOL 320, 321, 411, 415, 430, 460 ..... 3 s.h.
4. Select 6 s.h. from BIOL 350, 451, 452, 453, 454, 458, 459, 466; ZOOL 320, 321, 325, 330, 331, 410, 411, 412, 413, 414, 415, 430, 432, 451, 452, 460, 461, 476 ..... 6 s.h.

Course Descriptions 274–392

Accounting (ACCT)
African American Studies (AAS)
Aging Studies (AGE)
Agricultural Economics (AGEC)
Agricultural Education (AGED)
Agricultural Technology Management (AGTM)
Agriculture (AGRI)
Agronomy (AGRN)
Animal Science (ANSC)
Anthropology (ANTH)
Art Education (ARTE)
Art History (ARTH)
Art Studio (ARTS)
Arts and Sciences (A&S)
Biology (BIOL)
Botany (BOT)
Broadcasting and Journalism (BC&J)
Business and Technology (BAT)
Business Communication (BCOM)
Business Law (B L)
Chemistry (CHEM)
Clinical Laboratory Science (CLS)
College Student Personnel (CSP)
Communication (COMM)
Computer Science (CS)
Conservation (CONS)
Construction Management (CSTM)
Counselor Education (CN)
Curriculum and Instruction (C&I)
Cybersecurity (CSEC)
Dance (DAN)
Decision Sciences (DS)
Early Childhood (ECH)
Economics (ECON)
Education (EDUC)
Educational Studies (EDS)
Elementary Education (ELED)
Emergency Management (EM)
Engineering (ENGR)
Engineering Technology (ET)
English (ENG)
Environmental Studies (ENVR)
Experimental Studies (All)
Finance (FIN)
Fire Service (FS)
Foreign Language (F L)
Forestry (FOR)
French (FR)
Geographic Information Science (GIS)
Geography (GEOG)
Geology (GEOL)
German (GER)
Health (HLTH)

History (HIST)
Horticulture (HORT)
Hospitality Management (HM)
Human Resource Management (HRM)
Information Systems (IS)
International Agriculture (INAG)
Kinesiology (KIN)
Language Arts (LA)
Law Enforcement and Justice Administration (LEJA)
Liberal Arts and Sciences (LAS)
Management (MGT)
Marketing (MKTG)
Mathematics (MATH)
Meteorology (METR)
Microbiology (MICR)
Military Science (MS)
Music (MUS)
Nursing (NURS)
Nutrition (NUTR)
Operations Management (OM)
Overseas Study (All)
Overseas Study (OVST)
Philosophy (PHIL)
Physical Education Teacher Education (PETE)
Physics (PHYS)
Political Science (POLS)
Portuguese (PORT)
Psychology (PSY)
Queer Studies (QS)
Recreation, Sport, and Tourism Administration (RSTA)
Religious Studies (REL)
Science Education (SCED)
Social Studies Education (SSED)
Social Work (SW)
Sociology (SOC)
Spanish (SPAN)
Special Education (SPED)
Speech Pathology and Audiology (SPA)
Statistics (STAT)
Student Teaching (STCH)
Supply Chain Management (SCM)
Theatre (THEA)
University (UNIV)
Women's Studies (WS)
Zoology (ZOOL)

ACCOUNTING (ACCT)

200 Introduction to Accounting. (3) An introduction to financial and managerial accounting for non-business majors. The course will focus on the use of accounting information by managers. *Not open to business majors or students with credit in ACCT 201.*

201 Principles of Financial Accounting. (3) The role of financial accounting concepts and practices in the development of information for business decisions. *Prerequisite: sophomore standing or approval of School Director or Program Director.* ***IAI: BUS 903.***

202 Principles of Managerial Accounting. (3) The role of managerial accounting concepts and practices in the development of information for business decisions. *Prerequisite: ACCT 201.* ***IAI: BUS 904.***

307 *(Cross-listed with ENGR 307)* Accounting for Managers and Engineers. (3) Covers basic financial and cost accounting concepts and techniques. Emphasis is on the use of accounting information by managers and engineers for planning, controlling, and operating decisions. *Cannot be applied toward meeting the requirements for Accountancy major or minor or Engineering major without prior approval of the School Director or Program Director. Not open to students with credit in ACCT 201, ACCT 202, or ENGR 307. Prerequisite: junior standing.*

341 Intermediate Accounting I. (3) Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations. *Prerequisites: ACCT 201 with a grade of C or better.*

342 Intermediate Accounting II. (3) Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations. *Prerequisites: BAT 190; ACCT 341 with a grade of C or better.*

343 Intermediate Accounting III. (3) (Multicultural) Theoretical concepts and technical procedures underlying the preparation of external financial reports for corporate business organizations, including international financial reporting standards (IFRS). *Prerequisites: ACCT 341 with a grade of C or better.*

420 Internship in Accountancy. (1–12, repeatable to 12) One hour of credit is available for every 40 hours (120 hours minimum) of approved experience. Student is responsible for locating acceptable employment. *A maximum of 3 s.h. may be used in the major. Prerequisite: Accountancy major or minor; prior approval of School Director, Program Director, or Internship Coordinator; completion of ACCT 341. Graded S/U only.*

421 Independent Study in Accountancy. (1–3, not repeatable) Independent research on selected topics in Accountancy. *Prerequisite: approval of School Director or Program Director.*

430 CPA Exam Preparation. (3) Students synthesize and demonstrate knowledge needed in the practice of professional accountancy as they finalize their preparation for the CPA Examination. Students must have access to designated license review materials. *Graded S/U. Prerequisites: senior Accountancy major and permission of instructor. Materials charge for course.*

441 Advanced Accounting I. (3) (Multicultural) Study of advanced accounting topics including consolidations, international accounting, and international financial reporting standards (IFRS). *Prerequisite: ACCT 342 with a grade of C or better.*

442 Advanced Accounting II. (3) Study of advanced accounting topics including segment reporting, partnerships, SEC reporting, and state and local government accounting. *Prerequisite: ACCT 342 with a grade of C or better.*

445 *(Cross-listed with FIN 445)* Financial Modeling and Statement Analysis. (3) Students will identify problems, analyze results, and make decisions regarding the impact on financial statements through development of models in electronic spreadsheets. Financial statements, capital budgets, risk, capital structures, takeovers, and other financial topics will be analyzed. *Not open to students with credit in FIN 445. Prerequisite: ACCT 341 or FIN 331 or permission of instructor.*

451 Accounting Systems and Control. (3) Introduction to the concepts and current practices in analyzing and developing organizational accounting and control systems. *Prerequisites: ACCT 341 with grade of C or better and CS 301.*

452 *(Formerly ACCT 351)* Cost Accounting. (3) A detailed study of cost allocation methods, cost accounting systems, and the complexities involved in costing products, jobs, and services. *Prerequisite: ACCT 202 with a grade of C or better.*

453 *(Cross-listed with FIN 453)* Estate Planning and Taxation. (3) This course covers various estate planning techniques to mitigate the financial risks associated with the transfer of wealth during lifetime and at death. Wills and trusts are discussed. Techniques for reducing, freezing, or eliminating gift and estate taxes are explained. *Not open to students with credit in FIN 453. Prerequisite: ACCT 460 or FIN 449 or permission of instructor.*

455 Advanced Managerial Accounting. (3) Advanced topics in cost/managerial accounting with an emphasis on tools and techniques for decision making. *Prerequisite: ACCT 452 with a grade of C or better.*

456 CMA Preparation. (0) Provides an overview of the Certified Management Accountant (CMA) credentialing process including the sitting requirements, examination options, and preparation methods. Students will be expected to purchase the designated review materials and follow the outlined study schedule. *Prerequisite: ACCT 452 or permission of instructor. Graded S/U only.*

457 Fraud Examination. (3) An examination of the principles and practices for investigating allegations of fraud and financial misconduct. Topics include the elements of fraud, red flags, document examination, interviewing techniques, and report writing. *Prerequisites: Senior standing and ACCT 200 or 201 or permission of instructor.*

460 *(Formerly ACCT 371)* Tax I. (3) A study of federal income taxation with emphasis given to researching and communicating tax topics relevant to individuals, which includes sole proprietorships. *Prerequisites: ACCT 200 or 201 with grades of C or better, and junior standing.*

470 Tax II. (3) A study of income taxation with emphasis given to researching and communicating tax topics relevant to corporate entities and partnerships. *Prerequisite: ACCT 460 with a grade of C or better and B L 432; or permission of instructor.*

471 Tax Research. (3) Tax research tools and methods are used to investigate advanced tax planning and compliance topics. *Prerequisite: ACCT 460 and 470 with grades of C or better.*

472 EA Preparation. (0) Provides an overview of the Enrolled Agent (EA) credentialing process including the sitting requirements, examination options, and preparation methods. Students will be expected to purchase the designated review materials and follow the outlined study schedule. *Prerequisite: ACCT 201 or permission of instructor. Graded S/U only. Materials charge for course.*

477 Professional Ethics and Regulation. (3) This course covers ethical issues, regulations, and decision-making frameworks that influence and govern the behavior of individuals in a variety of business contexts, including a special emphasis on the accounting and finance professions. *Prerequisite: ACCT 201 with grade of C or better, and junior standing.*

480 Introduction to Auditing. (3) The role and function of the auditor in the audit process and an introduction to audit standards, procedures, and principles. *Prerequisite: ACCT 342 and 451 with grades of C or better.*

499 Accounting Knowledge Assessment. (0) All Accountancy majors are required to complete the knowledge assessment course prior to graduation. *Prerequisites: senior standing, Accountancy major. Graded S/U only.*

AFRICAN AMERICAN STUDIES (AAS)

100 Introduction to African American Studies. (3) (General Education/Social Sciences) (Multicultural) A survey of the history of Black people including the "Cradle of Civilization," the ancient empires of West Africa, the slave trade, and the Caribbean. It also includes African and African American literature, art, and music. ***IAI: S9 900.***

145 Famous People of African Descent. (3) (Multicultural) A study of the lives and works of famous people of African descent throughout the world with particular emphasis on African Americans.

251 Social Problems in Black America. (3) A sociological investigation of such problems as crime and delinquency, racism, mental illness, drug use, alcoholism, and poverty. *Prerequisite: sophomore standing or consent of instructor.*

260 African American Music Survey. (3) A historical survey of African American musical artists and genres from the era of the transatlantic slave trade to the present day, covering slave work songs, hymns, gospel, jazz, blues, rock & roll, rap, and other contemporary music.

281 Literature of the Black World. (3) (Multicultural) A comparative presentation of literary works by African, Caribbean, and African American writers.

282 African American Theatre. (3) (Multicultural) A survey of the African American contributions to the American stage from 1760 to the present, with an examination of representative works by various African American playwrights.

283 African American Folklore. (3) (Multicultural) A study of the relationship between African and Diaspora folktales, folk beliefs, and customs. Identification of parallel folktales, symbols, and social practices. An interdisciplinary approach to the study of this folklore.

310 *(Cross-listed with WS 310)* Black Women in the United States. (3) A sociological analysis of the various social roles of Black women, including those of gender, education, occupations, and marriage and family, with some attention given to contributions and achievements. *Not open to students with credit in WS 310.*

311 *(Cross-listed with POLS 311)* Race and Ethnicity in American Politics. (3) This course examines how racial and ethnic minority groups shape, and are shaped by, American politics and society. It focuses primarily on the politics of specific racial and ethnic minority groups in the United States. *Not open to students with credit in POLS 311. Prerequisite: POLS 122 or permission of instructor.*

312 Black Men in the U.S. (3) Examination of cultural, economic, political, and social factors impacting the experience of African American males in the United States. Topics may include Black male/female relationships, sexuality, self-determination, criminal justice system, family unit, community, and media representations. *Prerequisite: AAS 100, or AAS 251, or consent of instructor.*

314 *(Cross-listed with HIST 314)* African American History. (3) (Multicultural) A survey of African American history and culture. *Not open to students with credit in HIST 314. Prerequisite: HIST 106 or AAS 100 or consent of instructor.*

317 Black Greek-Lettered Organizations. (3) An examination of the role and mission of historical existence, culture, and contemporary issues facing Black Greek-lettered organizations in the United States. *Prerequisite: AAS 100 or consent of instructor.*

325 The Black Family. (3) An analysis of structures and functions of Black family life in the United States, with emphasis on adaptive features. Some attention is also given to the African and Caribbean family.

345 *(Formerly AAS/ENG 245) (Cross-listed with ENG 345)* Survey of African American Literature. (3) (Multicultural) A literary and cultural introduction to the study of African American writers, organized chronologically, but with special emphasis on the twentieth century. *Not open to students with credit in ENG 345. Prerequisite: ENG 280.*

346 *(Cross-listed with ENG 346)* African American Fiction. (3) A survey of selected African American short stories and novels from the beginning to the present, from Brown, Johnson, and Toomer to Ellison, Baldwin, Morrison, and beyond. *Not open to students with credit in ENG 346. Prerequisite: AAS/ENG 345, or ENG 299 with a grade of C or better, or consent of instructor.*

349 *(Cross-listed with HIST 349)* Africa since 1800. (3) (Multicultural) A study of major themes from 1800 to the recent past from an African perspective: slave trade and its abolition, European colonialism, independence movements, and problems of independence. *Not open to students with credit in HIST 349. Prerequisite: HIST 116 or consent of instructor.*

354 *(Cross-listed with ENG 354)* African Americans in American Film. (3) Analysis of the representation of African Americans in American films as a way to consider how imagery affects society's attitudes about race. Films from early 20th century depictions of mammies to the 1990s hip-hop sagas will be examined. *Not open to students with credit in ENG 354. Prerequisite: AAS 100 or consent of instructor.*

380 Media and the Black Experience. (3) A survey of the Black experience in the media, radio, television, cinema, and advertising. The course shall examine the roles of media in the Black struggle for equality in class, race, and gendered society. Emphasis may vary by semester. *Prerequisite: AAS 100 or BC&J 350 or BC&J 352, or the consent of the instructor.*

397 *(Cross-listed with ARTH 397)* African Americans in Art. (3) The study of African Americans in art and visual culture from 1619 to the present. This course examines images of African Americans within a social, historical context as a way to understand evolving American perceptions about race, class, and gender. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in ARTH 397. Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.*

402 *(Cross-listed with HIST 402)* The Civil Rights Movement. (3) An intensive study of the history of the African American civil rights movement concentrating on the post-WWII era. The course also examines the contested historical memory over the long black freedom struggle. *Not open to students with credit in HIST 402. Prerequisites: at least junior standing and either HIST 106 or AAS 100; or consent of instructor. Directed Elective Area I.*

420 *(Cross-listed with SOC 420 and WS 420)* Race, Class, and Gender. (3) The course will examine issues of race, class, and gender in historical, cultural, and contemporary societal contexts. *Not open to students with credit in SOC 420 or WS 420. Prerequisite: AAS 100, or SOC 100, or WS 190; or permission of instructor.*

466 *(Cross-listed with GEOG 466—Africa)* Geography of Africa. (3, repeatable to 9 for different regional subtitles) (Multicultural) Analysis of the physical and cultural geography of Africa. *Not open to students with credit in GEOG 466—Africa. Individuals who receive credit for AAS 466—Africa may take 6 s.h. maximum of GEOG 466 if the regional subtitles are different. Prerequisite: two courses in Geography or consent of instructor.*

490 Independent Study. (2–4, repeatable to 4) Individual study of a particular topic in the field of African American Studies.

491 Seminar in African American Studies. (1–6, repeatable to 6) Topics will vary from semester to semester, and will be announced prior to registration. *Prerequisites: AAS 100 and junior standing, or consent of instructor.*

494 *(Cross-listed with REL 494)* Religion in African American Culture. (3) This course acquaints students with religiosity and spirituality among African Americans and provides understanding of a world view, via concepts of nature, God, and human interaction, that reflects African cultural retentions in the U.S. *Not open to students with credit in REL 494. Prerequisites: AAS 100 and junior standing, or one 100- or 200-level Religious Studies course, or permission of instructor.*

498 Individual Study. (1–3, repeatable to 3) Individual study of an approved research topic. *Prerequisite: junior or senior standing or consent of the instructor.*

499 Internship in AAS. (1–12, repeatable to 12) Supervised work assignments in applied occupational area involving specific projects in areas related to African American Studies. A maximum of 6 s.h. may be counted toward the African American Studies option. *Prerequisites: permission of Program Director; junior or senior standing; minimum 2.0 GPA.*

AGING STUDIES (AGE)

202 *(Cross-listed with ANTH/PSY/RSTA/SOC 202)* The Aging Person in the Social Context. (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in ANTH/PSY/RSTA/SOC 202.*

460 Individual Research in Aging Studies. (1–3, repeatable to 3) Students will design, conduct, and present the results of their research projects in writing or orally. Research content is drawn from interdisciplinary topics including current issues in aging. Students considering graduate school are strongly encouraged to enroll. *Prerequisites: junior or senior standing; Aging Studies minor; minimum GPA of 3.0 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor.*

463 Individual Readings in Aging Studies. (1–3, repeatable to 3) The student will explore a structured set of readings concerning the biological, psychological, and social factors of aging. The student will work in consultation with a designated Aging Studies faculty member and prepare a written report on the topic. *Prerequisites: junior or senior standing; Aging Studies minor; minimum GPA of 3.0 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor.*

487 Practicum in Aging Studies. (2) This is a supervised practicum in a community agency planning for or delivering services to older adults. The practicum focuses on the application of interdisciplinary knowledge through direct experience. *Prerequisites: junior or senior standing; Aging Studies minor; minimum GPA of 2.50 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor. Corequisite: AGE 490. Graded S/U only.*

490 Seminar in Aging Studies. (1) An interdisciplinary investigation of selected facets of the practicum in Aging Studies. Seminar discussions focus on the application of concepts derived from all Aging Studies courses and applied to each student's specific field experience. *Prerequisite: junior or senior standing; Aging Studies minor; minimum GPA of 2.50 in AGE 200, SOC 405, and PSY 423; and consent of Aging Studies advisor. Corequisite: AGE 487.*

AGRICULTURAL ECONOMICS (AGEC)

312 *(Cross-listed with ECON 312)* Economics of Cannabis. (3) A detailed survey of the cannabis industry including market analysis, regulation options, the potential impacts on the U.S. economy, and a comparison to other regulated substances such as opioids, alcohol, tobacco, and pharmaceuticals. *Not open to students with credit in ECON 312. Prerequisite: ECON 100, 231, or 232; or permission of instructor.*

333 Agricultural Marketing. (3) Principles of marketing agricultural products. *Prerequisite: AGRI 220 or ECON 232. 3 hrs. lect.*

342 Agricultural Law. (3) Law as it applies to the agricultural operation. Partnership, corporation, agribusiness contracts, leases, leasing practices, environmental, tort and liability law are covered. *Prerequisite: AGRI 220. 3 hrs. lect.*

349 Agribusiness Management. (4) A study of intermediate level agricultural management tools to create a conceptual framework for successfully operating a profit-based agribusiness. *Prerequisite: AGRI 220; or ECON 231 and 232. 4 hrs. lect.*

430 *(Cross-listed with ECON 430)* Environmental Economics. (3) This interdisciplinary course examines economic issues involving the interactions between humans and the environment. The course addresses conflicts in land, air, and water use and the role of assigned property rights and public policies in resolving environmental problems. *Not open to students with credit in ECON 430. Prerequisite: AGRI 220 or ECON 232.*

437 US Agricultural Trade. (3) Overview of U.S. agricultural trade; examination of issues that impact international agricultural trade, including trade agreements, country-of-origin labeling, food safety, and risk assessments; examination of changes in world agricultural production and trade patterns over time. *Prerequisites: AGRI 220 or ECON 231.*

442 Marketing Grain and Livestock Products. (3) Economic principles of marketing grain and livestock, with an emphasis on the marketing activities of producers and distributors of grain, livestock, and their products. Risk and quality management issues are included. *Prerequisite: AGEC 333. 3 hrs. lect.*

443 Agricultural Finance. (3) Financing problems and opportunities in agriculture. Sources of finance, financing costs, analysis of investment opportunities, and financial management and estate planning. *Prerequisite: AGRI 220 or ECON 232. 3 hrs. lect.*

447 Commodities Markets and Futures Trading. (3) Futures trading institutions, technical analysis, multiple hedging, and speculation. *Prerequisite: AGEC 333 or FIN 311 or FIN 331. 3 hrs. lect.*

455 Advanced Agricultural Marketing. (3) Options on futures, applied research methods, current events. *Not available to students who have completed AGEC 456. Prerequisite: AGEC 447. 3 hrs. lect.*

457 Market Profile®. (3) Use of the Chicago Board of Trade Market Profile® and Liquidity Data Bank® for hedging and speculation. *Not available to students who have completed AGEC 459. Prerequisite: AGEC 447. 3 hrs. lect.*

460 US Agricultural Policy. (3) Examination of U.S. agricultural policies, with an emphasis on current farm legislation and regulation. Includes analysis of the impact of contemporary agricultural policies on farming operations. *Prerequisite: AGRI 220 or ECON 231 or ECON 232.*

AGRICULTURAL EDUCATION (AGED)

131 Agriculture Education. (2) Introduction to principles of vocational education, nature of agriculture teaching, teacher responsibilities, and agricultural education as a career. *2 hrs. lect.* ***IAI: AG 911.***

330 Summer Experience in Agriculture Education. (2) Supervised experiences in a summer program in agriculture education. C- grade or above required to receive credit for the course to fulfill part of the observation hour requirement. *Prerequisite: consent of instructor. Laboratory charge for course.*

331 Program Organization in Agriculture Education. (3) Program organization and development of learning activities in agriculture education including program planning, supervised agriculture experiences, FFA, federal, state and local program structure. *Laboratory charge for course. 3 hrs. lect.*

439 Special Methods in Agriculture. (3) Analysis of objectives, selection, development, and organization of teaching units; development of procedural techniques, program implementation, and evaluation. Includes clinical experience. *Grade of C- required in this class. Prerequisite: consent of instructor. 3 hrs. lect.*

480 Student Teaching. (12) See STCH 480.

AGRICULTURAL TECHNOLOGY MANAGEMENT (AGTM)

207 Precision Agriculture. (3) Course introduces fundamental components of precision agriculture. Topics include: the global positioning system (GPS), geographic information systems (GIS), remote sensing, yield monitoring, variable rate application (VRA), and analysis and decision making for agriculture. *3 hrs. lect.* ***IAI: AG 907.***

250 Agricultural Technology Management. (3) Introduction to electrification, surveying, internal combustion engines, metallurgy, and concrete and wood construction used in agriculture. *2 hrs. lect.; 2 hrs. lab.* ***IAI: AG 906.***

350 Agricultural Machinery. (3) Principles of owning, operating, and adjusting equipment for tillage, planting, harvesting, and chemical application. Principles, application, and repair of agricultural hydraulic systems. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

360 Electrical Power and Equipment in Agriculture. (3) Principles of electricity and its application to wiring buildings, electric motors, automatic controls, and solid-state equipment used in agriculture. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

365 Agricultural Tractors and Engines. (3) Operating principles of gasoline and diesel engines, power trains, and fuel and electrical systems. Overhaul of both gasoline and diesel engines. *Prerequisite: AGTM 250 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

368 Agricultural Shop Skills. (4) Principles and skills in metal and welding fabrication, wood working, plumbing, and repairs related to agriculture. *Prerequisite: AGTM 250. 2 hrs. lect.; 4 hrs. lab.*

464 Grain Drying, Handling, and Storage Systems. (3) Application of engineering principles pertaining to drying, storing, and handling of agricultural products. *Prerequisite: junior standing. 3 hrs. lect.*

471 Agricultural Remote Sensing. (3) Course addresses concepts of remote sensing for precision agriculture. Some topics include: global positioning system (GPS) accuracy and differential GPS, vegetative spectral reflectance signatures, multispectral and hyperspectral imagery, indices, and various analysis techniques for agricultural datasets. *Prerequisites: AGTM 207 or GIS 201, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

472 Agricultural Analysis and Decision Making. (3) Course presents methods for analysis of agricultural data to facilitate data-driven decision making for precision agriculture. Some topics include: map scale and projection, coordinate systems, soil nutrient maps, yield maps, interpolation and analysis methods, and creation of prescription maps. *Prerequisites: AGTM 207 or GIS 201, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

AGRICULTURE (AGRI)

120 Agriculture in Today's Society. (1) General orientation to modern agriculture. A study of career opportunities in industry, business, production agriculture, teaching, resource management, and environment control. *1 hr. lect.*

200 Special Topics in Agriculture. (1–3, repeatable to 3 for different topics) Selection of a current issue in agriculture. Review of literature, discussions, and preparation of a term paper. *Prerequisite: approval of School Director. Arranged.*

220 Agribusiness Concepts. (3) A survey of and introduction to agricultural management concepts and general knowledge base needed to operate a small profit-oriented agribusiness in today's competitive environment. *3 hrs. lect.* ***IAI: AG 901.***

301 Agricultural Internship. (4–12, repeatable to 12) Student will work with an approved agricultural industry and obtain experience in a number of business-related activities such as management, sales, research, and public relations. *Prerequisites: 54 s.h. of academic credit and approval of instructor. A cumulative and major GPA of 2.25 required at time of application (semester prior to internship). Arranged.*

320 Success Strategies in Agriculture. (2) Topics in applied life sciences—strategies for success. Topics will include problem solving, communication, interpersonal relations, resume preparation, and interviewing. Student participation will be emphasized. *Prerequisite: AGRI 220 and junior standing. 2 hrs. lect.*

340 Communicating Agricultural Issues. (2) Development of written and oral communication skills to address current issues in agriculture. *Writing Instruction in the Disciplines (WID) course. Prerequisites: AGRI 220 and ENG 280.*

376 Applied Genetics in Agriculture. (3) A basic understanding of heredity and genetic analysis with an emphasis on agricultural plant and animal systems. Social implications of manipulating genetics in agriculture will be addressed. *Prerequisites: AGRN 176 or HORT 180 or BOT 200 or ZOOL 200. 2 hrs. lect.; 2 hrs. lab.*

390 Agricultural Sales. (3) Professional agri-selling and sales process. Topics include methods of selling, steps and techniques in the selling process, customer service, sales ethics, consumer behavior concepts, and sales management in agriculture. *Prerequisites: AGRI 220 or ECON 232, and AGEC 333 or MKTG 327.*

400 Special Topics in Agriculture. (1–3, repeatable to 3 for different topics) Review of literature, lectures, and preparation of a term paper. *Prerequisite: approval of School Director. Arranged.*

420 Personal Development and Leadership in Agriculture. (1) Personal leadership skills will be developed as students explore historical and current views of social, cultural, and technological issues and the associated social changes in agriculture. Styles and roles of leadership in agricultural organizations including group dynamics, conflict resolution, ethical considerations, and communications will be covered. *Prerequisite: AGRI 340. 1 hr. lect.*

481 Special Problems. (1–3, repeatable to 3 for different topics) Laboratory work involving experiments in student's major interest. *Prerequisites: at least junior standing and approval of School Director. Arranged.*

499 Research. (1–6, repeatable to 8 for different topics) Original independent research on specific problems in agriculture. *Prerequisite: approval of School Director.*

AGRONOMY (AGRN)

(Crops)

176 Crop Science. (4) Introduction to science-based principles underlying plant production, including: classification and use of major world crops; plant growth and development in response to environment and management; plant pests and pest protection; plant breeding and genetic improvement. *Not open to students with credit in HORT 180. 3 hrs. lect.; 2 hrs. lab.* ***IAI: AG 903.***

370 No-Tillage Farming. (2) An exploration of environmental benefits from no-tillage crop production, the influence of microclimatic factors on the success of crop plants in no-tillage fields, and management tactics to increase the productivity and environmental benefits of no-tillage farming. *Prerequisite: AGRN 176 and 278. 2 hrs. lect.*

372 Crop Science Judging. (1) Preparation for regional and national crop judging contests. Identifying crops and crop pests; troubleshooting crop problems; and calculating agronomy, pest control, and fertility scenarios. *Prerequisite: AGRN 176 or 278, or consent of instructor. 2 hrs. lab.*

373 Integrated Pest Management. (4) Identification and biology of economically-important weeds, insects, diseases, and vertebrate pests affecting plants. Selection and use of effective biological, cultural, chemical, and mechanical pest control methods. Safe handling and application of pesticides. *Prerequisite: AGRN 176. 3 hrs. lect.; 2 hrs. lab.*

374 *(Cross-listed with HORT 374)* Diseases of Economic Plants. (3) Identification of agricultural plant diseases; biology of common plant pathogens; pathogen-plant interactions; fungicide classification and use; management of plant diseases through chemical, cultural, biological, and mechanical control methods. *Not open to students with credit in HORT 374. Prerequisite: AGRN 176 or HORT 180. 2 hrs. lect.; 2 hrs. lab.*

377 Crop Ecology and Management. (3) Grain and forage crops response to climate and management of soil and water resources. Crop management practices that maximize productivity and minimize environmental impact. *Prerequisite: AGRN 176. 3 hrs. lect.*

470 Applied Entomology. (3) Life cycles, recognition of economic damage, and integrated control of insects affecting crop and livestock production. *Prerequisite: AGRN 176. 2 hrs. lect.; 2 hrs. lab.*

472 Plant Breeding. (3) Traditional plant breeding course covering basic inheritance of qualitative and quantitative traits, tools for dealing with variations in ploidy levels and mutations, germplasm resources, breeding methods for self and cross pollinated species, hybrid production, vegetatively propagated crops, and seed production. *Prerequisite: AGRI 376 or BIOL 340. 2 hrs. lect.; 2 hrs. lab.*

476 Crop Biotechnology. (3) Biotechnology methods used for the genetic improvement and production of agronomic and ornamental crops. Government regulations, public concerns, and legal protection of genetically modified crops will be covered. *Prerequisite: AGRI 376 or BIOL 340. 2 hrs. lect.; 2 hrs. lab.*

477 Weed Science Competition. (1) Students will prepare for a regional weed science contest by learning to identify weeds and herbicide symptoms, troubleshoot crop problems, calibrate sprayers, and calculate agronomy application problems. *Prerequisite: AGRN 176 or 278, or consent of instructor. 2 hrs. lab.*

479 Weed Science. (3) Identification, biology, and distribution of weeds; weed interference of desirable plant growth; herbicide classification, use, and environmental fate; appropriate application of chemical, cultural, biological, and mechanical weed control methods. *Prerequisite: AGRN 373. 2 hrs. lect.; 2 hrs. lab.*

(Soils)

278 Soil Science. (4) Introduction to principles of soil science. Fundamentals of physical, chemical, biological, and agricultural properties of soils. *3 hrs. lect.; 2 hrs. lab.*
IAI: AG 904.

378 Soil Fertility and Plant Nutrition. (3) Fundamental chemicals needed for plant growth. Chemical forms of elements in the soil, reactions of fertilizers in soils, determination of fertilizer needs, soil test methods. *Prerequisite: AGRN 278. 3 hrs. lect.*

473 Nutrient Management. (3) Properties of plant food materials used in world agriculture, manufacturing methods, marketing systems, government policy, field application, economics of management and use. *Prerequisites: AGRN 378 and CHEM 101 or 201. 3 hrs. lect.*

478 Properties of Soil. (3) A study of the physical and chemical properties of soil and their relationship to plant growth and land use. *Prerequisite: AGRN 278. 2 hrs. lect.; 2 hrs. lab.*

ANIMAL SCIENCE (ANSC)

112 Animal Science. (3) Application of fundamental biological principles as related to the nutrition, reproduction, and management of livestock. *2 hrs. lect.; 2 hrs. lab.*
IAI: AG 902.

280 Pre-Veterinary Sciences. (3) Explore the broad field of veterinary medicine, including the role of veterinarians, veterinary technicians, and veterinary assistants; basic veterinary terminology, diagnostic tools, and veterinary practice. The non-clinical aspects of veterinary medicine will also be explored. *2 hrs. lect.; 2 hrs. lab.*

310 Man and Animal Interaction. (3) Interaction of man with companion, domestic, and wild animals. Consideration of wide ranging societal concerns including food production, companionship benefits, impact of wild animals in urban and rural settings, animal and human disease risks, and animal welfare and rights issues. *3 hrs. lect.*

312 Techniques in Livestock Evaluation and Selection. (3) Evaluation and selection of breeding and market animals utilizing new selection tools and techniques and visual appraisal. *Prerequisite: ANSC 112. 2 hrs. lect.; 2 hrs. lab.*

314 Animal Breeding. (3) The principles of heredity and their application to the problems of animal improvement. *Prerequisites: AGRI 376, ANSC 112, BOT 200 or ZOOL 200, and MATH 102 or 123 or STAT 171. 3 hrs. lect.*

319 Applied Meat Science. (4) Evaluation, grading, and marketing of meat animals and meat products including swine, beef, lamb, and poultry. Factors affecting meat palatability. Qualifies student for federal, state, and local internships. *Prerequisite: at least junior standing. 3 hrs. lect.; 2 hrs. lab.*

322 Applied Livestock Nutrition and Feeding. (4) Composition of feed/nutrients and their functions, formulating/balancing of rations, and the basic chemical and physiological principles of ruminant and non-ruminant nutrition. Consideration of common nutrition problems, feed additives, and growth stimulants. *Prerequisites: ANSC 112 and CHEM 100 or higher. 3 hrs. lect.; 2 hrs. lab.*

323 Livestock Management. (3) A study of management practices necessary for efficient and economical livestock production. *Not open to students specializing in Animal Science. Prerequisite: ANSC 112. 3 hrs. lect.*

335 Livestock Merchandising. (3) Methods of livestock promotion and merchandising. Preparation of livestock for sale. Scheduling and management of livestock sales. *Prerequisites: ANSC 112 and junior standing. 2 hrs. lect.; 2 hrs. lab.*

413 Livestock Judging. (3) Evaluation, grading, selection, and pricing of market and breeding livestock. Some enrollees will compete in intercollegiate contests. *Prerequisite: ANSC 312. 2 hrs. lect.; 2 hrs. lab.*

415 Ruminant Production and Management. (4) A comprehensive course covering all phases of beef cattle and sheep industries. Practical application of nutrition, breeding, selection, reproduction, parturition, record keeping, and business aspects. Special emphasis on exposure to different management and marketing systems. *Prerequisites: ANSC 314 and 322, or consent of the instructor. 3 hrs. lect.; 2 hrs. lab.*

416 Swine Science. (3) A study of selection principles, nutrition, breeding, reproduction, disease prevention, and management practices applied to swine production. *Prerequisites: ANSC 314 and 322, or consent of the instructor. 2 hrs. lect.; 2 hrs. lab.*

424 Physiology of Reproduction and Lactation. (3) Principles of physiology and functioning of the endocrine system in relationship to reproduction, infertility, and lactation in farm animals. *Prerequisite: ANSC 112 or BOT 200 or ZOOL 200. 2 hrs. lect.; 2 hrs. lab.*

ANTHROPOLOGY (ANTH)

110 Introduction to Cultural Anthropology. (3) (General Education/Social Sciences) (Multicultural) Survey of basic concepts and approaches of Anthropology to the study of human beings. Study of worldwide cultures from prehistoric to the present.
IAI: S1 901N.

111 Introduction to Physical Anthropology and Archaeology. (3) (General Education/ Social Sciences) Study of human evolution from the perspectives of both biological and social sciences. Examination of the evolution of culture and the methods of its interpretation.
IAI: S1 902.

180 Cannabis Cultures: The Anthropological Study of Cannabis. (3) Examines the anthropological approaches to cultures of cannabis, including medical and recreational marijuana. Two questions frame this course: What is the influence of cannabis on cultures? What is the influence of cultures on cannabis? *Prerequisite: ANTH 110 or consent of instructor.*

201 World Culture Regions. (3, repeatable to 9 for different culture regions) Surveys of the cultural adaptations of different regions of the world. Either the peoples of Africa, Asia, Latin America, the Middle East, or the Pacific will be studied each time the course is offered. The region will be announced in the time schedule. *Prerequisite: ANTH 110 or consent of instructor.*

202 *(Cross-listed with AGE/PSY/RSTA/ SOC 202)* The Aging Person in the Social Context. (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/PSY/RSTA/SOC 202.*

210 *(Cross-listed with BIOL 210)* Medical Anthropology. (3) Introduction to medical anthropology, an area of anthropology concerned with human health and the socio-cultural, political, and economic factors that contribute to illness and suffering. *Not open to students with credit in BIOL 210.*

215 Fantastic Archaeology: Ancient Astronauts, Shape Shifters, and Bigfoot. (3) This course examines alternate interpretations of the human past as a way to explore the nature of knowledge, develop critical thinking skills, and learn how anthropological and archaeological theory and methods may be used to distinguish between science and pseudoscience.

225 *(Cross-listed with REL 225)* Myth and Ritual. (3) (General Education/Humanities) (Multicultural) An introduction to the anthropological study of myth and ritual systems and their importance in religious development and anthropological thought. The course focuses on a cross-cultural comparison of myth and its relationship to ritual. *Not open to students with credit in REL 225.*
IAI: H9 901.

249 Native North American Cultures. (3) (Multicultural) Introduction to aboriginal North American cultures with an examination of the rich diversity of cultural development and its relationship to the natural environment. *Prerequisite: ANTH 110 or consent of instructor.*

305 Applied Anthropological Methods. (3) (Multicultural) Applies anthropological knowledge and methods to regional, national, and global contemporary problems. Includes current theoretical, ethical, and methodological debates. Social issues may include discrimination, hunger, disease, and underdevelopment. *Prerequisite: ANTH 110 or consent of instructor.*

310 Methods in Physical Anthropology. (3) This course provides an introduction to physical anthropological methods, including assessing human variation, interpreting the human fossil record, and techniques in forensic anthropology. Students gain an understanding of the tools used in the analysis of primate and human skeletal remains. *Prerequisite: ANTH 111 or ZOOL 200 or permission of instructor.*

315 *(Cross-listed with WS 315)* Gender and Anthropology. (3) Exploration of cross-cultural ethnographies of variations in gender roles in economic, religious, and political domains. This course also addresses gender identity and gender diversity issues. *Not open to students with credit*

in WS 315. Prerequisite: ANTH 110 or consent of instructor.

320 New World Archaeology: North America. (3) Survey of North American archaeology. Special emphasis on pre-Columbian culture adaptations of eastern United States and the Mississippi Valley, particularly the Illinois region. *Prerequisite: 6 s.h. of Anthropology coursework including ANTH 111, or consent of instructor.*

321 New World Archaeology: Central and South America. (3) A survey of Central and South American archaeology with emphasis on the prehispanic civilizations of Mexico and Peru. *Prerequisite: ANTH 111 or consent of instructor. Recommended: ANTH 110.*

324 *(Cross-listed with REL 324)* Religion, Magic, and Shamanism. (3) (Multicultural) Survey of cross-cultural perspectives on beliefs and practices dealing with the supernatural, magic, and religion. The functions and social positions of spiritual leaders from different cultures are explored. *Not open to students with credit in REL 324. Prerequisite: ANTH 110 or consent of instructor.*

330 *(Cross-listed with WS 330)* Sex and Gender in Archaeology. (3) The study of sex, gender, and power in archaeological investigations and theory, including cross-cultural comparison of gender and social differentiation in past societies. Changing perspectives on the roles of females in human evolution and prehistory are emphasized. *Not open to students with credit in WS 330. Prerequisite: ANTH 110 or 111 or WS 190, or consent of instructor.*

333 *(Formerly ANTH 205)* Drugs and Cultures: From Magic Mushrooms to Big Pharma. (3) Examines the nature and use of mind-altering drugs from a cross-cultural perspective, including study of the varieties and effects of drugs around the world, in socio-cultural contexts, and functions of drugs. *Prerequisite: ANTH 110 or 180, or consent of instructor.*

353 *(Cross-listed with PSY 353)* Cultural Psychology. (3) (Multicultural) Examines culture as the physical environment, social institutions and practices, language, and the media that influences human behavior and mental processes. *Not open to students with credit in PSY 353. Prerequisites: 9 s.h. of Psychology coursework and junior standing or permission of instructor.*

380 Language and Culture. (3) Study of language as an aspect of culture. Structural and historical analysis of language. Examination of the relationship of language to social structure. *Prerequisite: ANTH 110 or consent of instructor.*

381 Old World Archaeology. (3) Study of major developments in the prehistory of Africa, Europe, and Asia. Examination of earliest man and his cultures through the rise of complex societies. *Prerequisite: ANTH 111 or consent of instructor. Recommended: ANTH 110.*

395 *(Cross-listed with WS 395)* Gender, Race, and the Environment. (3) (Multicultural) Explores research, scholarship, and fictional ecofeminist works. Students will consider the influence of women, feminists, and ecofeminist writings on local and global environmental movements. *Not open to students with credit in WS 395. Prerequisite: ANTH 110 or WS 190 or permission of instructor.*

404 Dynamics of Cultural Change. (3) Examination of cultural change resulting from social forces, intercultural contact, and changes in the natural environment, focusing on the role of "conflict" and peace-building in the past and present societies, globalization, and modern applications. *Prerequisite: ANTH 110 or consent of instructor.*

405 Forensic Anthropology. (3) Forensic Anthropology deals with the medicolegal problem of identifying human skeletal remains. This course provides an elementary understanding of human skeletal biology, forensic archaeology, and the recovery and identification procedures involved when unknown skeletal remains are discovered. *Prerequisite: ANTH 111 or consent of instructor.*

410 Anthrozoology. (3) Anthrozoology examines human-animal relationships from the perspective of Anthropology with an emphasis on culture and its influence on attitudes toward animals. *Prerequisite: ANTH 110 or consent of instructor.*

415 Environmental Anthropology. (3) (Multicultural) Study of environmental issues from the perspectives of different cultures; students will study ecological and cultural adaptations of humans, and explore strategies for solving environmental problems involving cross-cultural stakeholders. Topics may include global climate change, biodiversity, and environmental sustainability. *Prerequisite: ANTH 110 or permission of instructor.*

417 *(Cross-listed with ZOOL 417)* Primate Ecology, Behavior and Evolution. (3) This course takes an interdisciplinary approach to primatology utilizing principles from Anthropology, Ecology, Paleontology, and animal behavior. Students gain an understanding of the evolutionary history, adaptations, and conservation of primates and their habitats. *Not open to students with credit in ZOOL 417. Prerequisite: ANTH 111 or ZOOL 200 (C grade or better) or permission of instructor. Junior standing recommended.*

419 Anthropological Theory. (3) Study of the intellectual currents which led to the establishment of Anthropology as a discipline. *Writing Instruction in the Disciplines (WID) course. Prerequisites: 12 s.h. of Anthropology coursework including ANTH 110 and 111.*

420 Cultural Feast: The Anthropology of Food. (3) Anthropological study of food symbolism, rules, consumption, health, and the gendered dimensions of food, including gathering, preparation and distribution, and commoditization of food. Issues of scarcity and links to environmental sustainability, global social hierarchies, and power relations are also addressed. *Prerequisite: ANTH 110.*

424 *(Formerly ANTH 325)* Laboratory Analysis of Archaeological Material. (1–3, repeatable to 6 for different projects) Instruction in the study of material remains recovered from archaeological sites. Processing techniques and methods of analysis presented to introduce students to research in prehistory. *Only 3 s.h. may count toward major. Prerequisite: permission of instructor.*

425 Culture and Catastrophe: The Anthropology of Disaster. (3) Introduces critical theoretical and methodological approaches in the anthropological study of disasters. Examines human preparedness and response to disaster events, issues of social stratification and inequality, and environmental and social forces that influence vulnerability and social policy from an international perspective. *Prerequisite: ANTH 110.*

426 *(Formerly ANTH 326)* Archaeological Field Methods. (1–6, repeatable to 12 for different projects) Intensive field training in the theory, problems, methods, and ethics of archaeological research. Usually taught during summer months at a camp located some distance from campus. *Only 6 s.h. may count toward major. Prerequisite: permission of instructor.*

451 Special Topics in Anthropology. (1–2, repeatable to 6 for different topics) In-depth investigations of special topics from broader subfields of Anthropology. *Prerequisite: 6 s.h. of Anthropology coursework including ANTH 110 or 111 (as most relevant), or consent of instructor.*

463 *(Cross-listed with BOT 463)* Ethnobotany. (4) (Multicultural) A survey of how indigenous people use and classify plants in comparison to modern, scientific principles of botany and plant chemistry, and the use of traditional knowledge by modern science. *May require field work travel at student expense. Not open to students with credit in BOT 463. Prerequisites: BIOL 100, 101; BOT 200 (C grade or better); ZOOL 200 (C grade or better); ANTH 110 or SOC 100; or permission of instructor.*

490 Individual Investigation in Anthropology. (1–3, repeatable to 3) Students will pursue a topic of special interest to the individual to be chosen in consultation with an instructor. *Prerequisites: permission of Instructor and either School Director or Program Director.*

494 *(Cross-listed with SOC 494)* Internship. (3) Supervised applied experience in occupationally related area. Seminars and written reports required. *Not open to students with credit in SOC 494. Prerequisites: junior or senior status, and approval of School Director or Program Director.*

497 Senior Honors Thesis in Anthropology. (3–6, repeatable to 6) Honors thesis research under the direction of one Anthropology faculty member on a topic of mutual agreement. *Prerequisite: approval of Honors in the Major coordinator.*

ART EDUCATION (ARTE)

360 Methods in Elementary Art. (3) Experiments with art materials to gain insight into the values, curricula, and processes of art activities in the age levels from pre-school into the junior high.

361 Introduction to Art Education. (3) An early orientation to the philosophies and theories of the profession of art education, museum/gallery experience, adult education, etc. *Prerequisite: ARTS 101.*

411 Arts and Institutions. (3) This course provides students with the opportunity to study the roles of visual arts and arts educational programs in various types of institutions, organizations, and agencies and to explore professional and vocational opportunities within the art world. *Prerequisite: ARTE 361 or permission of instructor.*

437 Media, Methods, and Materials in Art Education. (3) An overview of media, processes, materials, techniques, and methods appropriate for elementary and secondary school classrooms. Content integrates studio courses with art historical and multicultural uses of traditional/non-traditional media, methods, and materials for producing works of visual art. *Prerequisite: permission of instructor.*

ART EDUCATION (EDUC)

439 High School Art Methods. (3) Students are involved in selecting those learning objectives and situations which emanate from a meaningful art curriculum for the secondary school student. *Prerequisites: ARTS 101, 102; ARTE 360 or 361.*

ART EDUCATION (STCH)

480 Student Teaching—Secondary. (1–16) Student teaching in grades 7–12.

482 Student Teaching. (1–16) (Grades K–6).

ART HISTORY (ARTH)

180 An Introduction to Art. (3) (General Education/Fine Arts) Designed to help students understand our cultural background and the role art plays in contemporary life. The functions, styles, structure of art, and the interaction of medium and meaning. Contact with art forms, visual aids, and readings are utilized to stimulate student responses to aesthetic qualities in the visual arts. *Cannot be applied toward the Art major.* ***IAI: F2 900.***

282 History of World Art: to 1400. (3) (General Education/Fine Arts) An introduction and investigation of art and visual culture from a broad range of world cultures before 1400. ***IAI: F2 901.***

283 History of World Art: 1400–1900. (3) (General Education/Fine Arts) An introduction and investigation of art and visual culture from a broad range of world cultures from 1400 to 1900. ***IAI: F2 902.***

284 History of Non-Western Art. (3) (Multicultural) A survey of art and visual culture in the non-Western world.

387 A History of Modern Design. (3) A social history of modern design practice, objects, and theory from the Arts & Crafts Movement of the 1860s to the present. *Prerequisites: ENG 180; sophomore standing or permission of the instructor.*

388 History of Photography. (3) The study of photography from a historical point of view as well as the study of photographic styles and the works of photography artists. *Prerequisites: ENG 180; sophomore standing or permission of instructor.*

392 Medieval Art. (3) Study of pivotal works of art and architecture created in medieval Europe (c. 800–1500). These works will be evaluated for their formal and stylistic characteristics, and interpreted with respect to their contemporary cultural, social, political, religious, and economic environments. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180*

and 280; sophomore standing or permission of the instructor.

393 Gender and Embodiment in the Visual Arts. (3) (Multicultural) This course explores how representations of the human body in both contemporary and historical world art create, sustain, trouble, and transform normative ideas of gender and sexuality. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 180 or permission of the instructor.*

394 History of Twentieth Century Art. (3) A survey of Western painting and sculpture from c. 1850 to c. 1945. All major stylistic movements will be examined. Emphasis will be placed upon interpretive issues; works will be examined not only in respect to their formal characteristics, but also as expressions of concurrent art theories, and social, political, scientific, and philosophical developments. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.*

395 American Art. (3) A survey of American art from colonial times to the beginning of the 20th century. *Prerequisites: ENG 180; sophomore standing or permission of the instructor.*

397 *(Cross-listed with AAS 397)* African Americans in Art. (3) The study of African Americans in art and visual culture from 1619 to the present. This course examines images of African Americans within a social, historical context as a way to understand evolving American perceptions about race, class, and gender. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in AAS 397. Prerequisites: ENG 180 and 280; sophomore standing or permission of the instructor.*

485 Research in Art History. (3, repeatable to 9) An intensive study of a special area of art history selected with the instructor at registration. *Prerequisites: 6 to 9 s.h. of Art History courses; ENG 180 and 280; and permission of the instructor.*

489 Early Christian, Byzantine, or Medieval Art. (3, repeatable to 9) *Prerequisites: ENG 180 and 280; upper division standing; and permission of the instructor.*

496 History of Contemporary Art. (3) (Multicultural) A survey of post-WWII developments in the visual arts. The primary focus is upon Western art, but attention is also paid to stylistic developments in Asian, African, and Latin American countries. The central interpretive ideas and concerns for the course will be drawn from contemporary art theory and criticism. *Prerequisites: ENG 180; sophomore standing or permission of the instructor.*

ART STUDIO (ARTS)

(Foundation)

101 Two-Dimensional Design. (3) A foundation in the organization of two-dimensional visual concepts through design experiences with basic elements and principles of visual structure. A variety of materials are used. *Materials charge for course.*
IAI: ART 907.

102 Three-Dimensional Design. (3) Introductory lab course in three-dimensional design. Study includes experimentation with plastic relationships existing between design elements, materials, and the expression of ideas in three-dimensional form. *Materials charge for course.*

115 Digital Design. (3) An introduction to the use of digital technology as a tool in the creation of art. Students will develop, improve, and apply fundamental visual design skills and conceptual thinking to artworks through the use of digital equipment and applications. *Materials charge for course.*

140 Drawing I. (3) Fundamental concepts of drawing, including study of line, form, space, value, and composition in a variety of media. *Materials charge for course.*
IAI: ART 904.

240 Drawing II. (3, repeatable to 6) Opportunities given for continued development of a personal direction in a variety of drawing media. *Prerequisite: ARTS 140. Materials charge for course.*

(Portfolio Review)

210 BFA Entry Portfolio Review. (0) An assessment standard required of all students entering the BFA degree program. *Prerequisites: ARTS 101, 102, 140, 240, declared BFA Art Major, and minimum 2.50 grade point average in Art. Graded S/U only.*

310 BFA Junior Portfolio Review. (0, repeatable) An assessment standard required of all students pursuing the BFA degree. *Prerequisites: S grade in ARTS 210 and a minimum 2.50 grade point average in Art. Graded S/U only. Students may re-enroll until "S" grade is attained.*

410 BFA Senior Exhibition. (1) Development and exhibition of a quality body of art works representing the student's achievements in the major and minor studio areas. *Prerequisite: S grade in ARTS 310 and minimum 2.50 grade point average in Art.*

495 Professional Practices in the Arts. (3) A seminar capstone course devoted to the development of professional practices in preparation for entry into the contemporary art world. *Prerequisite: Senior standing or permission of the instructor.*

(Graphic Design)

215 Introduction to Graphic Design and Typography. (3) Introduction to the visual communication of graphic design. Typography and symbolic graphics stressed. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

314 Digital Imaging. (3) The course emphasizes utilizing the principles of design to effectively communicate ideas visually. Imaging editing software will be used for creative problem-solving projects. *Prerequisite: ARTS 215. Materials charge for course.*

315 Layout and Typography. (3) The course focuses on incorporating type and digital imagery in page layouts. Projects emphasize creativity and the principles of visual composition, as well as encouraging awareness of contemporary

design trends and their historical precedents. *Prerequisite: ARTS 215. Materials charge for course.*

316 Web Design. (3, repeatable to 6) This course centers on the aesthetic development of well-designed websites and mobile device interfaces. Students will use advanced graphics software to design the layout of individual webpages and the overall site development. *Prerequisite: ARTS 315. Materials charge for course.*

317 Digital Illustration. (3) This course focuses on digital painting and drawing with a digitizing tablet and stylus in combination with digital imaging software. Assignments will range from developing conceptual drawing skills to creating finished illustrations. *Prerequisite: ARTS 215. Materials charge for course.*

318 Motion Graphics. (3) Artistic analysis of 2D animation techniques and building animations using traditional methods and contemporary compositing techniques to produce hand drawn, typographic, and stop motion animations. *Prerequisite: ARTS 215. Materials charge for course.*

414 Graphic Design Internship. (1–12, repeatable to 12) Supervised work experience in a graphic design related field with an approved employer. Regularly scheduled meetings with a faculty mentor are required throughout internship. *Prerequisites: Art–Graphic Design major; junior/senior standing; ARTS 215; 9 s.h. of graphic design courses; a minimum 2.00 overall GPA; a minimum 2.50 major GPA; and permission of the School Director or Program Director. Graded S/U only.*

415 Advanced Graphic Design. (3, repeatable to 6) Concept and design skills are applied to the development of various projects. Emphasis is on critical thinking, concept development as a process, and research. Focus is on the refinement of the design process and further development of typographic skills. *Prerequisite: ARTS 316. Materials charge for course.*

416 Graphic Design Senior Portfolio. (3) Development of professional presentation. Development of new work for a graphic design portfolio, job hunting skills, dealing with clients, and building a personal portfolio website. *Prerequisites: ARTS 215. Materials charge for course.*

(Studio Art)

181 Introduction to Studio Arts. (3) An introduction to the materials, tools, and languages of visual art media. Hands-on practice making art with a range of studio art mediums; includes self-evaluations and group discussions. *Cannot be applied toward the Art major. Materials charge for course.*

400 Studio Problems. (3, repeatable to 9) Individual study of design experimentation bridging several art areas, including gallery/museum experience. *Not open to freshmen or sophomores. Prerequisites: Basic courses in areas of concern; written permission of instructor.*

450 Travel Workshop. (1–3, repeatable to 6) An opportunity for students to participate in conferences, meetings, and workshops designed to provide professional educational sessions, gain networking experience, and present their artwork. *Prerequisites: Permission of instructor. Laboratory charge for course and field trip required. Graded S/U only.*

(Studio Art—Ceramics) (3D Area)

330 Ceramics I. (3) Introduction to clay as a medium for art expression. Instruction given in fundamentals of aesthetic form, techniques of hand forming, glaze design, and kiln firing. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

331 Ceramics II & III. (3, repeatable to 6) Pottery as aesthetic expression in clay. Emphasis is placed upon use of the potter's wheel with related hand-building techniques as well as glaze design and kiln firing practices. *Prerequisite: ARTS 330. Materials charge for course.*

430 Studio Problems in Ceramics. (3, repeatable to 9) Experimental studio projects reflecting a high level of technical, intuitive, and conceptual approaches. *Prerequisite: ARTS 331 or permission of instructor. Materials charge for course.*

(Studio Art—Digital Photography) (2D Area)

246 Digital Art Photography I. (3) An introduction to digital photography as an artistic process. Topics include camera operation, composition, computer photo manipulation, creative expression, and output of digital images. Upon completion, students should be able to successfully expose, digitally manipulate, and print well-conceived artistic compositions. *Materials charge for course.*

346 Digital Art Photography II. (3) Students will extend and refine digital skills obtained in Digital Art Photography I, learn how to streamline and personalize image workflow, compare image management options, and explore advanced image editing techniques to fine-tune a portfolio of compelling photographs. *Prerequisite: ARTS 246. Materials charge for course.*

446 Advanced Digital Art Photography. (3) Intensive investigation of digital photography as an art form. Emphasis is placed on concept and technique, as well as guided research and individual practice. *Prerequisites: ARTS 246 and 346. Materials charge for course.*

(Studio Art—Drawing) (2D Area)

140 Drawing I. (3) See Foundation courses listed on page 283. *Materials charge for course.*

240 Drawing II. (3, repeatable to 6) See Foundation courses listed on page 283. *Materials charge for course.*

241 Life Drawing I. (3) Studio work in drawing the human figure with activities involving techniques, anatomy, and design in varied media. *Prerequisites: ARTS 101 and 140.*

341 Advanced Life Drawing. (3, repeatable to 9) Further study rendering the human figure with attention given to color and composition. *Prerequisite: ARTS 241.*

440 Studio Problems in Drawing. (3, repeatable to 9) Individual problems in drawing

selected with the instructor at registration. *Prerequisite: ARTS 240 or permission of instructor.*

(Studio Art—Metals/Jewelry) (3D Area)

335 Art Metal and Jewelry I. (3) Studio experiences involving design and fabrication of 3-D forms in fine metals for jewelry and small sculpture. Students will be introduced to basic metal working techniques as applied to non-ferrous metals including sawing, riveting, shaping, and soldering. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

336 Art Metal and Jewelry II & III. (3, repeatable to 6) Opportunities given for continued development of a personal direction in metal and jewelry processes. *Prerequisite: ARTS 335. Materials charge for course.*

435 Studio Problems in Art Metal and Jewelry. (3, repeatable to 9) Individual problems in art metal and jewelry selected with the instructor. *Prerequisites: ARTS 336 or permission of instructor. Materials charge for course.*

(Studio Art—Painting—Oil) (2D Area)

350 Painting I. (3) Studio work exploring the possibilities and techniques of fine painting. Assignments given with an emphasis on an understanding of materials including paint, brushes, solvents, mediums, and the construction and preparation of support structures. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

451 Painting II & III. (3, repeatable to 6) This course builds upon the skills learned in Painting I with continuing emphasis on materials, techniques, and formal problems. Assignments may expand beyond representational/objective painting and lead into more problem solving/critical thinking. *Prerequisite: ARTS 350. Materials charge for course.*

452 Studio Problems in Painting. (3, repeatable to 9) Assignments will be given individually based on previous efforts and will be directed toward the expansion of an idea and the content/subject matter. The course continues to investigate materials and techniques. *Prerequisite: ARTS 451 or permission of instructor. Materials charge for course.*

(Studio Art—Painting—Watercolor) (2D Area)

370 Watercolor I. (3) Techniques of transparent and opaque water soluble paints are explored. *Prerequisites: Sophomore standing or permission of instructor. Materials charge for course.*

371 Watercolor II & III. (3, repeatable to 6) Opportunities given for continued development of a personal direction in water soluble media. *Prerequisite: ARTS 370. Materials charge for course.*

470 Studio Problems in Watercolor. (3, repeatable to 9) Selective experimentation with transparent and opaque water media. *Prerequisite: ARTS 371 or permission of instructor. Materials charge for course.*

(Studio Art—Printmaking—Intaglio) (2D Area)

355 Intaglio I. (3) Studio work in the intaglio processes: engraving, drypoint, and etching on copper and zinc plates. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

356 Intaglio II & III. (3, repeatable to 6) Opportunities given for continued development of a personal direction in intaglio processes. *Prerequisite: ARTS 355. Materials charge for course.*

360 Printmaking I. (3) Introduces fundamental printmaking processes including relief (woodcut and linocut), intaglio (etching), and lithography. Through demonstrations, readings, critiques, and studio projects, students develop technical skills while exploring the historical context and visual language of the printed image. *Prerequisite: sophomore standing or permission of instructor.*

361 Printmaking II & III. (3, repeatable to 6) This course builds on foundational printmaking processes through a focused studio investigation. Students explore traditional and contemporary methods, including historical and digital processes, limited edition and unique prints, and multi-matrix projects while further developing technical skills and personal imagery. *Prerequisite: ARTS 360.*

455 Studio Problems in Intaglio. (3, repeatable to 9) Individual problems in a specific printmaking medium selected with the instructor at registration. *Prerequisites: ARTS 356 or permission of instructor. Materials charge for course.*

460 Studio Problems in Printmaking. (3, repeatable to 9) This course emphasizes advanced, individualized exploration of printmaking processes. Students build on prior technical skills through self-directed projects, research, experimentation, and critique while developing a cohesive body of prints that integrates traditional and contemporary methods and professional presentation practices. *Prerequisite: ARTS 361.*

(Studio Art—Printmaking—Lithography) (2D Area)

365 Lithography I. (3) Studio work involving technical methods and aesthetic approaches to lithography as applied to stone work and plate work. Students will explore both traditional and digital methods of creating lithographic prints. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

366 Lithography II & III. (3, repeatable to 6) Introduction to color printing and related problems. The use of transfer paper and the study of image reversal are other subjects covered. *Prerequisite: ARTS 365. Materials charge for course.*

465 Studio Problems in Lithography. (3, repeatable to 9) Individual projects selected by the student in conference with the instructor. *Prerequisites: ARTS 366 or permission of instructor. Materials charge for course.*

(Studio Art—Printmaking—Silkscreen) (2D Area)

368 Silkscreen I. (3) Studio work involving silkscreen as a fine art print medium including basic photo-emulsion, drawing fluid and block-out techniques, computer-generated and hand-drawn processes. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

369 Silkscreen II & III. (3, repeatable to 6) Intermediate level silkscreen; students explore their own artistic voice through resolution of concept and imagery using hand-drawings and advanced digitigraphic processes. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisite: ARTS 368. Materials charge for course.*

468 Studio Problems in Silkscreen. (3, repeatable to 9) Designed for intensive study in silkscreen. Emphasis is on individual research, self-guidance, thematic development, and personal aesthetic expression. Students use non-toxic acrylic inks to produce a portfolio of editioned prints. *Prerequisites: ARTS 369 or permission of instructor. Materials charge for course.*

(Studio Art—Sculpture) (3D Area)

320 Sculpture I. (3) Studio work in various sculptural processes. Large scale projects may include ceramic sculpture, bronze casting, wood carving, and other media. *Prerequisite: Sophomore standing or permission of instructor. Materials charge for course.*

321 Sculpture II & III. (3, repeatable to 6) Opportunities given for continued development of a personal direction in sculptural processes. *Prerequisite: ARTS 320. Materials charge for course.*

421 Studio Problems in Sculpture. (3, repeatable to 9) Individual problems in sculpture selected with the instructor at registration. *Prerequisites: ARTS 321 or permission of instructor. Materials charge for course.*

ARTS AND SCIENCES (A&S)

196 Introduction to Research Methods. (0) An introduction to methodologies to plan and execute a research project with emphasis on data collection, analysis, and presentation. *Prerequisite: permission of instructor. Graded S/U only.*

BIOLOGY (BIOL)

***Laboratories** are required in most Biology courses. A lab use charge applies to all BIOL laboratory courses. Students must participate in all required course activities including field trips as specified by the instructor.*

100 Biological Concepts. (4) (General Education/Natural Sciences) A laboratory course recommended for nonscience majors, relating heredity, evolution, ecology, and behavior to human life and the problems of society. *This General Education curriculum course does not count toward a major or minor in Biology.*
IAI: L1 900L.

101 Biological World. (4) A laboratory course recommended for nonscience majors, dealing with the structure and function of the human body and with selected aspects of microbes, plants, and animals and how they affect humans. *This course does not count toward a major or minor in Biology.*

170 Introduction to Health Careers. (1) Career opportunities in the health professions will be discussed. Vertical and lateral mobilities and education requirements will be stressed.

181 *(Cross-listed with GEOL 181)* Integrated Science I. (4) A laboratory course in interdisciplinary science with an emphasis on the nature and evolution of life and Earth. Topics include ecology, natural resources, formation of Earth materials, Earth processes, nutrient cycling, cell biology, genetics, and evolution. *(Integrated Science II is PHYS/GEOG 182) Not open to students with credit in GEOL 181.*

190 Introduction to Biology Research. (1–3, repeatable to 6) Introduction to biological research, which may include introduction to experimental design, basic data collection techniques, scientific writing, and ethics of biological research. Arrange research project with faculty member and either School Director or Program Coordinator before registration. Course recommended for freshmen and sophomores. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: permission of faculty member and either School Director or Program Coordinator.*

204 Human Biology. (4) An introduction to basic human biology including human development, reproduction, aging, genetics, evolution, and ecology. Laboratory experiments include online simulations and/or purchased kits for homework. *This course will not count toward a Biology major.*

210 *(Cross-listed with ANTH 210)* Medical Anthropology. (3) Introduction to medical anthropology, an area of anthropology concerned with human health and the socio-cultural, political, and economic factors that contribute to illness and suffering. *Not open to students with credit in ANTH 210.*

312 Evolution. (3) A detailed study of the mechanisms of evolution. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

330 Cell and Molecular Biology. (4) Morphological and functional aspects of the cell. Lecture and lab will emphasize cell structure and how this relates to physiological, biochemical, and molecular processes. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

340 Genetics and Evolutionary Biology. (4) Lecture and lab emphasizing transmission genetics, genetic mapping, and the genetic processes underlying evolutionary processes. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); ENG 280.*

350 General Ecology. (4) This course examines the causes of patterns in the abundance and distribution of organisms at the population, community, ecosystem, landscape, and global levels. The relationships of ecological principles to environmental issues will be examined. *Prerequisites: Two of the following—BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better).*

381 *(Cross-listed with CHEM/GEOL/MATH/METR/PHYS 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in CHEM/GEOL/MATH/METR/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

418 *(Cross-listed with CHEM/GEOL/PHYS 418)* Introduction to Scanning Electron Microscopy. (4) The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in CHEM/GEOL/PHYS 418. Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.*

425 Conservation Biology. (3) Biology of small, endangered populations. Genetic and ecological consequences of small population size, reserve design, and intervention to reduce extinction risk. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); BIOL 340 or 350, or permission of the instructor.*

426 *(Cross-listed with GEOG 426)* Conservation and Management of Natural Resources. (3) Problems in the conservation and management of natural resources including soil, water, rangeland, forest, wildlife, air, and energy resources. Special attention to resource problems of the United States. *Not open to students with credit in GEOG 426. Prerequisites: GEOG 121 and METR 120, or consent of instructor.*

451 Ecological Techniques. (3) Techniques and analytical methods used to examine terrestrial and aquatic communities are studied, including data analysis specific to those techniques. Includes field experience. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better) or permission of the instructor.*

452 Biological Applications of GIS. (3) This course deals with biological problems examined using data acquisition and analytical methods from geographic information systems (GIS) and global positioning systems (GPS). *Prerequisites: One Biology course and either GIS 201 or 202.*

453 Streams Ecology. (3) Structure and function in lotic ecosystems is emphasized in this course. Physical, chemical, and biotic factors used in stream classification will be examined. *Prerequisites: BOT 200 (C grade or better), ZOOL 200 (C grade or better), and either an ecology course or permission of the instructor.*

454 Mississippi River Ecology. (3) Students will be given an opportunity to study the structure and function of major abiotic and biotic components of a major river system. Emphasis will be placed on understanding how the components interact and are influenced by activities related to human interdiction. *Prerequisite: one year of Biology or permission of the instructor.*

456 Fire/Disturbance Ecology. (3) This course examines the role of fire and other disturbances on the distribution and ecology of plants, animals, and microbes in their natural environments. Opportunity for the Nature Conservancy's prescribed burn and Federal basic wildland firefighter's certifications will be available. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or permission of the instructor.*

458 Plant-Animal Interactions. (3) Explores the co-evolutionary relationships of plants and animals. Lecture topics will include herbivory, pollination biology, and dispersal. Lab emphasis will be placed on research experiments that utilize chemical, behavioral, and molecular techniques, and review of the scientific literature. *Prerequisite: BIOL 330, BOT 200 (C grade or better), ZOOL 200 (C grade or better), or permission of instructor.*

459 *(Cross-listed with GEOG 459)* Biogeography. (3) Study of the geographical distributions of organisms, the evolutionary and ecological processes underlying the patterns of distribution, and the role of biogeography in biological conservation. *Not open to students with credit in GEOG 459. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or consent of instructor.*

466 Biotechnology. (3) Issues covering the genetic and cellular manipulation of organisms to produce natural products and processes that are of major economic, environmental, and social importance will be examined. Laboratory projects involve DNA manipulation of bacteria. *Prerequisites: MICR 200 (C grade or better), and one of the following: BIOL 330 or BIOL 340, or permission of the instructor.*

470 Seminar. (1, repeatable to 2) Seminar for senior Biology majors.

476 Special Topics. (3, repeatable to 9 for different topics) This course explores a topic in biology of current interest. See course schedule for description. *Only 6 s.h. may count toward a major. Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

477 Research Experience in Biology. (1–12, repeatable to 12) Research experience with a Biological Sciences faculty member. A final report and/or seminar may be required. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: sophomore standing; BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better); and permission of instructor. Arrange research project with faculty member and either School Director or Program Coordinator before registration.*

478 Honors Thesis in Biological Sciences. (1) A thesis prepared under the direction of one or more faculty members. Satisfactory oral defense of thesis required before credit is given for the course. *Prerequisites: Honors major in Biology with senior standing; completion of BOT/ZOOL/MICR 477H.*

479 Tropical Ecology. (3) Introduction to tropical ecology. This course may include travel to a tropical site. Students will be responsible for trip expenses. *Prerequisite: BOT 200 (C grade or better), ZOOL 200 (C grade or better), and permission of instructor.*

480 Field Natural History. (3) A course designed to introduce students to local ecosystems and the species that exist within them. The course will emphasize species identification, natural history, and interpretation. *Prerequisite: C or better in one of the following: BIOL 100, BOT 200, RSTA 111, ZOOL 200; or permission of instructor.*

482 *(Cross-listed with CHEM/GEOL/METR/PHYS 482)* Science in Context. (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in CHEM/GEOL/METR/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, or Meteorology; ENG 280; or permission of instructor.*

495 Internship in Biology. (1–12, repeatable to 12) Practical experience in the Biological Sciences with an approved employer. 40 contact hours per credit hour and a written report are required. *Maximum of 3 s.h. may be applied to major or minor. Prerequisites: 60 s.h. and permission of the School Director or Program Coordinator. Graded S/U only.*

499 Assessment of Biological Knowledge. (0) Students pursuing a bachelor's degree in Biology or Clinical Laboratory Science are required to take this course in their last semester. Students will complete an assessment on their knowledge of biological concepts. *Prerequisites: BOT 200, MICR 200, and ZOOL 200; senior standing; permission of the Instructor. Graded S/U only.*

BIOLOGY EDUCATION (EDUC)

239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established School criteria for admittance to TEP. *Graded S/U only.*

339 Pre-Student Teaching Clearance. (0) Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for School clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U only.*

439 Methods of Teaching Middle and High School Science. (3) Study of secondary teaching methods (Grades 6–12) from the standpoints of theory and practice, curriculum objectives and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/CHEM/GEOL/METR/PHYS 381 and EDS 301 (both with C- grade or better). Corequisite: EDS 303.*

469 Pre-Licensure Clearance. (0) Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the School in order to be recommended for licensure. *Prerequisite: School clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U only.*

480 Student Teaching. See STCH 480.

481 *(Cross-listed with CHEM/GEOL/METR/PHYS 481)* Techniques and Issues in Science Teaching. (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in CHEM/GEOL/METR/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

BOTANY (BOT)

***Laboratories** are required in most Botany courses. A lab use charge applies to all BOT laboratory courses. Students must participate in all required course activities including field trips as specified by the instructor.*

200 Introduction to Plant Biology. (4) (General Education/Natural Sciences) A lecture and laboratory course recommended for science majors and minors, emphasizing basic principles in plant biology including scientific inquiry, cell biology, genetics, ecology, evolution, and diversity in plant anatomy and physiology. ***IAI: L1 910L; BIO 910 as BOT/ZOOL 200 sequence.***

320 Plant Anatomy. (3) Structure and development of vascular plant organs. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

329 Plant Structure & Function. (3) A study of plant structure and function including photosynthesis, photoperiodism, tropisms, water and mineral uptake and transport, and an understanding of the angiosperm life cycle. *Closed to students who have taken BOT 320 or BOT 430. Prerequisite: BIOL 100 or HORT 180 or ZOOL 200 (C grade or better) or consent of instructor.*

357 *(Cross-listed with HORT 357)* Cannabis Biology and Production. (3) Lecture/lab/field course on the biology and agricultural use of *Cannabis sativa* (industrial hemp) including cannabis anatomy, physiology, breeding, propagation methods, management techniques, reintroduction into farming crop rotation, commercial production strategies, post-harvest processing, and product applications. *Not open to students with credit in HORT 357. Prerequisite: AGRN 176, BOT 200, or HORT 180; BOT 329 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

410 Plant Systematics. (3) The basic systems, principles, and methods of plant systematics; the identification and classification of Illinois vascular plants. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

423 Phycology. (3) Morphology, taxonomy, physiology, genetics, and ecology of the algae, particularly freshwater forms. *May not be taken by students who have completed MICR 423. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

430 Plant Physiology. (3) Physiological processes of plants as an interaction of structure, chemistry, physical characteristics, and environment. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better); ZOOL 200 (C grade or better); one year of Chemistry; ENG 280.*

452 Freshwater Biology. (3) Common freshwater organisms and some of their relationships to one another, to their environment, and to people. *May not be taken by students who have completed ZOOL 452. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

461 Plant Pathology. (3) Principles of phytopathology including the causal agents, development, diagnosis, and control of plant diseases. *May not be taken by students who have completed MICR 461. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better); MICR 200 (C grade or better) or permission of the instructor.*

463 *(Cross-listed with ANTH 463)* Ethnobotany. (4) (Multicultural) A survey of how indigenous people use and classify plants in comparison to modern, scientific principles of botany and plant chemistry, and the use of traditional knowledge by modern science. *May require field work travel at student expense. Not open to students with credit in ANTH 463. Prerequisites: BIOL 100, 101; BOT 200 (C grade or better); ZOOL 200 (C grade or better); ANTH 110 or SOC 100; or permission of instructor.*

476 Special Topics. (3–9, repeatable to 9 for different topics) This course explores a topic in botany of current interest. See course schedule for description. *Only 6 s.h. may count toward major. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

481 Experimental Plant Biology. (3) A laboratory oriented course providing experience in designing, implementing, analyzing, and reporting botanically-oriented experiments. Field experiments, greenhouse experiments, and laboratory experiments will be conducted, spanning a range of investigations from plant physiology to community ecology. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

BROADCASTING AND JOURNALISM (BC&J)

Applied Studies (Practica). (1 s.h./semester, repeatable to a maximum of 10 semesters) Instruction in and practical application of sports broadcasting announcing, production, or reporting techniques for various sports. *Prerequisites: Written consent of instructor. Enrollment in upper division courses (300 level) requires a grade of C or better in the lower division prerequisite course (200 level) having the same title.*

260/360 Football Announcing
261/361 Basketball Announcing
262/362 Soccer Announcing
263/363 Volleyball Announcing
264/364 Baseball Announcing
265/365 Softball Announcing
266/366 Radio Sports Talk
267/367 Board Operations for Sports
268/368 Football Production
269/369 Basketball Production
270/370 Soccer Production
271/371 Volleyball Production
272/372 Baseball Production
273/373 Softball Production
274/374 Interactive Media Sports Production
276/376 Sports Reporting

100 Introduction to Mass Communication. (3) Introduction to the historical, programming, physical, legal, social, and economic aspects of the mass media.

101 Digital Media Production I. (3) Introduction to digital media production including electronic field production (EFP) and studio camera theory and operation, and editing with an industry-relevant nonlinear digital editing platform. *Not open to students with credit in BC 261.*

112 Audio Production I. (3) Introduction to audio production techniques, from simple voice and field recording to multitrack mixdown procedures. Content produced will be suitable for broadcast and internet distribution. *Not open to students with credit in BC 250.*

200 Introduction to AP Writing and Reporting. (3) Foundation course in gathering and writing news according to Associated Press style guidelines. Exercises in the assessment of newsworthiness in the coverage of local and regional events. *Writing Instruction in the Disciplines (WID) course.*
IAI: MC 919.

201 Introduction to Broadcast Writing and Reporting. (3) Foundation course in the gathering, writing, and presentation of news for the traditional broadcast and modern electronic media.

220 Multimedia Sports Writing. (3) Fundamentals of the sports writing process for broadcast, streaming, and web-based media. Includes an overview of the history of broadcast sports writing in American culture. *Prerequisite: BC&J 300.*

285 Broadcasting Practicum. (1, repeatable to 4) Opportunity for freshmen and sophomores to participate in live multimedia coverage of sporting events, to work at student radio station WIUS-FM, and to assist with School of Communication, Media, and Experience Industries video productions and other production and operation activities.

290 *(Cross-listed with ENG 290)* Introduction to Film. (3) (General Education/Fine Arts) Screening and discussion of films from around the world, introducing students to selected traditions, questions of social justice, and methods of interpretation (with laboratory). *Not open to students with credit in ENG 290.*
IAI: F2 908.

300 *(Formerly BC&J 120)* Sports, Media and Society. (3) A critical analysis of issues in sports media and the history of sports broadcasting in American culture. Examines the ethics, literature, racial and gender issues, and the business of sports broadcasting. *Prerequisites: BC&J 100, BC&J 315, or consent of instructor.*

301 *(Formerly BC&J 221)* Interactive Web Sportscasting. (3) Examination of and instruction in advanced new media technologies to deliver sports media content across multiple platforms. Emphasis on the interactive nature of the online experience as it changes traditional notions of presentation and distribution. *Prerequisites: BC&J 101, BC&J 315, or consent of instructor.*

311 Digital Media Production II. (3) Selected topics of interest in digital media production such as, but not limited to, corporate video, animation, documentary, and interactive media content production. *Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor.*

312 Audio Production. (3) Selected topics of interest in audio production such as, but not limited to, radio/talk production, music program production, internet radio, and other emerging audio technologies. *Prerequisite: BC&J 101 or permission of instructor.*

315 *(Formerly BC&J 212)* Introduction to Studio Production. (3) Introduction to studio-based, live and live-to-tape television production. Students acquire creative and technical skills and learn how to work as a production team. Course will prepare students for internships and careers in studio production. *Prerequisite: BC&J 101.*

320 Sports Production I. (3, repeatable to 6) Theory and practice of remote radio and television sports production for volleyball, soccer, and baseball. *Prerequisites: ENG 180 and 280.*

321 Broadcast Sports Performance. (3) Students receive instruction on play-by-play announcing and on the preparation and extemporaneous discussion of player and team statistics and other appropriate sports-related information. *Prerequisite: junior standing.*

322 Sports Writing. (3) Foundations of writing sports stories for traditional and digital media. Students will gain proficiency in gathering, writing, and delivering genres of sports-related stories through traditional and non-traditional platforms such as print, radio, TV, Internet, smartphones, and social media. *Not open to students with credit in BC&J 220. Prerequisites: BC&J 300 or consent of instructor.*

323 Diversity across Broadcasting and Journalism. (3) A survey of the history, theory, and impact of diverse voices and diverse audiences across the 20th and 21st centuries in broadcasting and journalism. *Prerequisites: BC&J 100 or consent of instructor.*

325 *(Formerly BC&J 230)* Multimedia Performance. (3) Development of basic audio and video announcing and performance skills. *Prerequisite: BC&J 101.*

330 Magazine and Feature Writing. (3) Practice in writing and placing fact-based articles for general-interest and specialized magazines, and for newspapers. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BC&J 100 and 200, or consent of instructor.*

331 Multimedia News Reporting. (3) Production of self-contained news stories for School of Communication, Media, and Experience Industries newscasts and School website and the student radio station. Students are responsible for all aspects of production, from identification of the story and reporting performance to final editing. *Prerequisites: junior standing; BC&J 101 with a grade of C or better; BC&J 201.*

332 Multimedia News Editing. (3) Techniques of news editing for various media, including evaluation and processing of news, practice in copy editing, headline and lead writing, picture editing, and editing for online audio/video streaming and reading. *Prerequisites: BC&J 100 and 200, or consent of instructor.*

333 *(Cross-listed with ENG 333)* The Hollywood Studio System: Structure & Process. (3) Analysis of the American film industry, with an emphasis on the structure of the studio system. Comparison of the historical period with the current corporate structure of the industry. *Does not count for the Broadcasting and Journalism minor. Not open to students with credit in ENG 333. Prerequisite: ENG/BC&J 290.*

340 Fundamentals of Public Relations. (3) Principles, methods, and activities used by individuals, corporations, governmental bodies, and organizations to promote a favorable relationship with their publics. *Open to non-majors.*

341 Advertising Principles and Practice. (3) Advertising fundamentals; economic and social issues; research needs; and creative and production practices of advertising agencies. *Open to non-majors.*

342 Creative Strategy in Advertising. (3) Techniques and strategies used to create advertising including those related to design, graphics, makeup, and production. *Prerequisites: BC&J 100 and 341, or consent of instructor.*

343 Multimedia Planning for Advertising and Public Relations. (3) Analysis of the various multimedia planning strategies for advertising and public relations in terms of markets served, client needs, media interactions, and message factors considered in the planning and selection of multimedia. *Prerequisites: BC&J 100, BC&J 340, or consent of instructor.*

344 Advertising Copy and Layout. (3) Principles and practice of writing advertising copy for mass media; using technology to prepare layouts; portfolio development. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BC&J 100 and 341, or consent of instructor.*

345 Public Relations Strategy and Campaigns. (3) Analysis of public relations problems and procedures; practice in applying social science principles and research techniques to solve public relations problems; preparing public relations materials. *Prerequisites: BC&J 100 and 340, or consent of instructor.*

346 Public Relations Writing: Techniques and Style. (3) Techniques of public relations writing for print and broadcast media, and for special audiences; public relations research; legal considerations. *Writing Instruction in the Disciplines (WID) course. Prerequisite: BC&J 100 or consent of instructor.*

350 Broadcasting and Society. (3) Traces the development of broadcasting as a major cultural form in the twentieth and twenty-first centuries through a critical review of historic and contemporary literature. *BGS online writing course.*

351 Comparative Broadcasting Systems. (3) (Multicultural) Classification and analysis of the structure of international broadcast systems. The role of media in developing nations, as well as CATV, public broadcasting, and satellite communication systems are discussed. *BGS online writing course. Prerequisite: junior standing.*

352 Mass Media and Minorities. (3) (Multicultural) Examination of relationships between minority groups and mass media. Reviews the portrayals of minorities in the electronic media and discusses effects on our society. *BGS online writing course.*

353 International Communication and the Foreign Press. (3) (Multicultural) Comparative study of journalism practices and of the mass media in representative countries; factors that determine the international flow of news. *Open to non-majors. Prerequisite: junior or senior standing.*

354 History of Mass Communications. (3) History of journalism and the mass media in the context of political, social, and economic change with an emphasis on press freedom and responsibility. *Open to non-majors. Prerequisite: junior or senior standing.*

355 Photojournalism. (3) Digital photojournalism: the production of news and feature page photographs as singles, spreads, stories, and essays. *Prerequisite: BC&J 200 or consent of instructor.*

356 Reviewing and Criticism. (3) Practice in reviewing books, plays, films, concerts, radio-television programs, and exhibits. *Prerequisites: BC&J 100 and 200, or consent of instructor.*

357 Editorials. (3) Practice in writing editorials and columns with an emphasis on calling for action, taking a position, analyzing events, and supporting assertions with research. *Prerequisites: BC&J 100 and 200, or consent of instructor.*

385 Production Practicum I. (1, repeatable to 3) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor.*

386 Production Practicum II. (1, repeatable to 3) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor.*

390 *(Cross-listed with ENG 390)* Film History. (3) This course is an historical survey that covers the international history of cinema from its origins to the present. It considers issues including the development of national film industries, national and international film movements, and the social history of film (with laboratory). *Not open to students with credit in ENG 390. Prerequisite: ENG/ BC&J 290 or consent of instructor.*

394 *(Cross-listed with ENG 394)* Documentary Film and Video. (3) History of documentary film and video with focus on the documentary as a medium of communication, information, and interpretation (with laboratory). *Not open to students with credit in ENG 394.*

400 Mass Communication Law and Ethics. (3) Legal rights and constraints on the mass media. Topics include prior restraint, source protection, libel, privacy invasion, indecency and the safe harbor, and other legal and ethical issues. Includes print, broadcast, satellite/cable, and web-based mass media. *Writing Instruction in the Disciplines (WID) course. Prerequisite: Upper division standing or permission of instructor.*

410 Digital Media Graphics. (3) Students design computer graphics and animation. Projects include news anchor boxes, graphic backgrounds, and animated feature introductions. *Prerequisites: BC&J 101 and 112 with grades of C or better, or permission of instructor; ENG 180 and 280.*

420 Sports Production II. (3, repeatable to 6) Theory and practice of remote radio and television sports production for football, basketball, softball, and baseball. Students produce and direct coverage of sporting events. *Prerequisite: BC&J 320.*

430 Digital Media Skills for Journalists and Public Relations Practitioners. (3) The course will enhance digital media skills such as social media tools, multiplatform storytelling, and data visualization so students know how to generate and deliver news stories to web-based audiences. *Prerequisite: BC&J 200 or consent of instructor.*

431 Problems in Contemporary Mass Communication. (3) Research into current social, economic, political, and professional problems affecting the mass media. *Open to non-majors. Prerequisite: junior or senior standing.*

432 Multimedia News Producing. (3, repeatable to 6) Students produce and direct the School of Communication, Media, and Experience Industries' newscasts and make content for the School website and student radio station. Students act as assignment editors, photographers, and reporters, and polish skills learned in earlier classes. *Prerequisites: BC&J 101 with a grade of C or better and BC&J 201 with a grade of C or better.*

447 Sports and Public Relations. (3) Introduction to public relations techniques and strategies used in sports, including those related to creating sports public relations campaigns, managing the sports organizations, and media relations. *Prerequisite: junior standing or permission of instructor.*

450 Senior Workshop in Production. (3) Capstone course in which Production emphasis majors create their own audio or video programs using journalistic, art, and entertainment forms found in news, drama, narration, and comedy. Students may perform published work or write their own. *Prerequisites: Senior standing; BC&J 311 or 312.*

451 Field Work in Journalism. (1–12, repeatable to 12) Credit for internships at newspapers, magazines or other publications, or in advertising or public relations offices. *By arrangement. See School Director or Program Coordinator. No more than 6 s.h. can be used in the Journalism major, and no more than 3 s.h.*

of that can count toward the 400-level elective requirement. Prerequisite: junior or senior standing.

452 Independent Research in Communication. (1–6, repeatable to 6) Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in broadcasting, communication, rhetoric, public address, or the speech-language-hearing sciences. *Prerequisites: ENG 180 and 280; consent of instructor and either School Director or Program Coordinator.*

453 Senior Honors Thesis Research. (3) Bibliographic and other preliminary work in preparation for a senior honors thesis (see BC&J 454). Students will produce a final, graded project for this course. *This course may not be taken concurrently with BC&J 454. Prerequisites: ENG 180 and 280; students must be second-semester juniors or first-semester seniors majoring in Broadcasting and Journalism.*

454 Honors Thesis. (3) Students will write a senior honors thesis. *This course may not be taken concurrently with BC&J 453. Prerequisites: BC&J 453; ENG 180 and 280; students must be seniors majoring in Broadcasting and Journalism.*

455 Broadcast Internship. (3) Senior practicum at a selected professional broadcast production center for a semester. In addition to a prescribed work schedule, the intern must submit regular station activity reports. *Prerequisites: BC&J 312, 320, or 331; ENG 180 and 280; permission of internship coordinator; 2.50 GPA. Graded S/U only.*

456 International Public Relations. (3) (Multicultural) Comparative study of the nature, scope, and practice of international public relations for businesses, trade associations, nonprofit organizations, and educational and governmental institutions. Global and intercultural aspects of public relations will be emphasized. *Open to non-majors. Prerequisite: BC&J 340 or consent of instructor.*

459 Directed Study. (1–6, repeatable to 6) Opportunity for promising students of Journalism to pursue Journalism and mass communications material in depth. *By arrangement. See School Director or Program Coordinator. Prerequisite: junior or senior standing.*

485 Production Practicum III. (1) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services or production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better; or permission of instructor.*

486 Production Practicum IV. (1) Guided practicum in audio or video production. Student must apply for and be accepted into a specific practicum experience related to the operation of broadcast services for production of broadcast content. *Prerequisites: BC&J 101 and 112 with grades of C or better; or permission of instructor.*

494 *(Cross-listed with ENG 494 and WS 494)* Women and Film/Television. (3) An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit in ENG 494 or WS 494. Prerequisites: ENG 180 and 280.*

496 *(Cross-listed with ENG 496)* Topics in Film. (3) Study of major subjects and themes in film. Topics vary but may include intensive study of directors such as Alfred Hitchcock and Federico Fellini, or artistic movements such as Italian Neorealism, French New-Wave, Contemporary Spanish Cinema, or Russian Formalism. *Not open to students with credit in ENG 496. Prerequisites: ENG/BC&J 290, ENG/BC&J 390, and 6 s.h. in approved film minor electives, or permission of instructor.*

499 Field Work in Broadcasting. (3) Supervised applied experience in a sports organization or news broadcasting organization. *Prerequisites: BC&J 312, 331, or 420; ENG 180 and 280; or permission of instructor.*

BUSINESS AND TECHNOLOGY (BAT)

190 Professional Skills Development. (0) An introduction to the business major that introduces important professional development skills and other issues specific to the major. *Graded S/U only.*

300 Global Study. (1–9, repeatable to 9) (Multicultural) Integrates the study of international business or technology with international travel. Focuses on preparing students for the global environment of the 21st century. *Only 3 s.h. can be applied toward the International Business minor. Prerequisite: permission of instructor.*

490 Business Core Assessment. (0) Requires each business major to demonstrate proficiency on selected learning goals for the Bachelor of Business program. The course is taken during the student's senior year. *Corequisite: MGT 490. Graded S/U only.*

BUSINESS COMMUNICATION (BCOM)

320 Professional Preparation and Business Communication. (3) Practical application of effective written and oral business communication concepts. Prepares and enables students to gain skills and learn strategies for career success. Topics will include problem solving, communication, interpersonal relations, resume preparation, and interviewing. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280 and junior standing.*

BUSINESS LAW (B L)

230 The Legal Environment of Business. (3) An introduction to the legal system and the laws governing activities of business, including a study of the foundations of the legal system, business ethics, alternative dispute resolution, contracts, business wrongs (torts), and an introduction to business organizations.

431 The Law of Commercial Transactions. (3) A study of commercial transactions including contracts, sales, bankruptcy, secured transactions, and the legal environment of business.

432 The Law of Business Organizations. (3) A study of the laws governing business organizations, including agency, partnerships, corporations, employment, real estate, and an overview of the legal relationships between business and government.

CHEMISTRY (CHEM)

Illinois law requires that safety goggles must be worn in all laboratory classes (Senate Bill 1190). Students enrolled in Chemistry laboratory courses are required to purchase safety goggles. A lab use charge applies to all Chemistry laboratory courses.

100 Introduction to Chemistry. (3) For those students who have completed less than the equivalent of one year of high school Chemistry. Introduces the fundamental concepts of Chemistry including matter, atomic structure and periodicity, stoichiometry, some descriptive Chemistry. *Prerequisites: one year high school algebra or MATH 100 or 110. 3 hrs. lect.*

101 Principles of Chemistry I. (4) (General Education/Natural Sciences) A survey for students who do not plan to take Chemistry beyond the 100 level. Application of the general principles of inorganic and organic chemistry to biological, environmental, and applied sciences. *Prerequisites: one year of high school algebra or MATH 100 or 110. 3 hrs. lect.; 2 hrs. lab.*
IAI: P1 902L.

102 Principles of Chemistry II. (4) A continuation of CHEM 101. *Prerequisite: CHEM 101. 3 hrs. lect.; 3 hrs. lab.*

114 Chemistry of Health. (3) (General Education/Natural Sciences) A fundamental chemistry course focusing on applications to human health. *Does not count toward majors in Biology, Medical Sciences option, or Chemistry, Pharmacy option. Prerequisite: one year of high school algebra or MATH 100 or 110. 3 hrs. lect.*
IAI: P1 903.

150 Contemporary Chemistry. (4) (General Education/Natural Sciences) A course intended to inform the student of the role of science in modern society. Lectures treat the fundamentals of chemical composition, the impact of industrial products on the environment, energy, and drugs; and the importance of consumer information. *3 hrs. lect.; 2 hrs. lab.*
IAI: P1 903L.

190 Introduction to Chemistry Research. (1–4, repeatable to 4) Introduction to chemistry research, which may include introduction to laboratory experimental design, scientific writing, and ethical issues of chemical research and reporting. *Prerequisite: special permission from the School Director or Program Coordinator.*

201 General Chemistry I. (4) Designed for science and pre-engineering majors. Fundamental physicochemical principles and quantitative relationships including the mole concept, periodic properties of the elements, atomic structure, chemical bonding, and thermochemistry. Laboratory emphasizes quantitative analysis. *Prerequisites: MATH 100 or 110, and one year of high school Chemistry or CHEM 100 or CHEM 114 or CHEM 150. Corequisite: one of MATH 101, 102, 123, or 128, or MATH course requiring one of these as a prerequisite. 3 hrs. lect.; 3 hrs. lab.*
IAI: CHM 911.

202 General Chemistry II. (4) A continuation of CHEM 201. Includes a study of solutions, acids and bases, equilibria, electrochemistry, and chemistry of the main group elements and the transition elements. Laboratory emphasizes qualitative analysis, quantitative measurements, and syntheses. *Prerequisite: CHEM 201; one of MATH 101, 102, 123, 128, 129, 133, 134, or 137, or MATH course requiring one of these as a prerequisite. 3 hrs. lect.; 3 hrs. lab.*
IAI: CHM 912.

221 Elementary Biochemistry. (4) An elementary course intended to teach the structure, properties, function, and metabolism of biological molecules with emphasis on macromolecules. Intended for Biology and Family and Consumer Sciences majors. *Prerequisite: CHEM 102. 3 hrs. lect.; 3 hrs. lab.*

241 Chemical Calculations. (2) Designed primarily for Chemistry majors and minors. Emphasis is given to methods of presenting data and performing detailed chemical calculations typically required in biochemical and pharmaceutical analysis. *Prerequisite: CHEM 201. Prerequisite or Corequisite: CHEM 202. 2 hrs. lect.*

251 Introduction to Forensic Science. (3) Designed primarily for Forensic Chemistry majors and minors. Introduction to forensic chemistry with emphasis placed on the forensic applications of chemical techniques. Lab demonstrates the applications of forensic chemical analysis. *Does not count toward the Chemistry minor. Prerequisite: CHEM 201. Prerequisite or Corequisite: CHEM 202.*

263 Introduction to Pharmacology. (3) This course introduces the students to the basic concepts of pharmacology and the major categories of pharmacologic agents, and explores the myths and facts about vitamins, nutritional supplements, and common herbal medicines. *Prerequisites: one of BIOL 101, ZOOL 200, or ZOOL 330; and either CHEM 102 or CHEM 330, or permission of instructor.*

264 Pharmacy Methods. (3) This course is designed as an aid for students who plan a career in Pharmacy. The course describes methods used in Pharmacy, including receiving and processing prescriptions, drug calculations, dosage and formulations, Pharmacy law, and inventory control. *Prerequisite: CHEM 263 or permission of the instructor.*

330 Elements of Organic Chemistry. (5) A one-semester introduction to organic chemistry. Coverage includes nomenclature of compounds, study of selected reactions and mechanisms, spectroscopy and study of biologically relevant molecules such as carbohydrates, amino acids, and proteins. *Does not count toward Chemistry major. Prerequisite: CHEM 202 (C grade or better). 4 hrs. lect.; 3 hrs. lab.*

331 Organic Chemistry I. (5) A study of nomenclature, preparations, reactions, and reaction mechanisms of the functional groups of aliphatic and aromatic compounds. *Prerequisite: CHEM 202 (C grade or better). 4 hrs. lect.; 3 hrs. lab.*
IAI: CHM 913.

332 Organic Chemistry II. (4) Further study of organic chemistry including spectroscopic methods. Laboratory includes synthetic methods, mechanistic studies, chromatography, and an introduction to qualitative analysis. *Prerequisite: CHEM 331 or CHEM 330 (C grade or better). 3 hrs. lect.; 3 hrs. lab.*
IAI: CHM 914.

333 Advanced Organic Laboratory. (1) Designed to supplement the laboratory portion of CHEM 332. *Prerequisite: concurrent registration or credit in CHEM 332. 3 hrs. lab.*

341 Quantitative Analysis. (3) An extension of the fundamental techniques used in CHEM 201 and 202 with emphasis on the analytical process, methods of separation, and methods of measurement. *Prerequisite: CHEM 202 (C grade or better); CHEM 241 or permission of instructor. 2 hrs. lect.; 3 hrs. lab.*

342 Fundamentals of Environmental Chemistry. (4) (Multicultural) An examination of the chemistry of the geosphere, hydrosphere, and atmosphere with emphasis on the interactions between them and the impact of technology upon the natural environment. *Prerequisite: CHEM 102 or 202. 3 hrs. lect.; 3 hrs. lab.*

351 Forensic Chemistry. (4) Applications of physio-chemical principles to analysis of physical evidence from criminal investigations, including seized drugs, explosive residues, arson debris, hairs, fibers, glass, paint, papers, inks, and soil. *Prerequisites: CHEM 251, 332, 341, or consent of instructor. 3 hrs. lect.; 3 hrs. lab.*

370 Elementary Physical Chemistry. (4) Designed primarily for students who wish an introduction to physical chemistry and its biological applications. *Prerequisite: CHEM 202. 3 hrs. lect.; 3 hrs. lab.*

374 Physical Chemistry – Thermodynamics and Kinetics. (4) A rigorous treatment of physical chemistry useful for chemists, biologists, engineers, Earth scientists, and medical scientists. The topics include thermodynamics and kinetics. *Prerequisite: CHEM 202, one year of Physics, and one year of calculus. 3 hrs. lect.; 3 hrs. lab.*

375 Physical Chemistry – Quantum Mechanics and Spectroscopy. (4) A rigorous treatment of physical chemistry useful for chemists, biologists, engineers, Earth scientists, and medical scientists. The topics include quantum mechanics and spectroscopy. *Prerequisites: CHEM 202, one year of Physics, and one year of calculus. 3 hrs. lect.; 3 hrs. lab.*

381 *(Cross-listed with BIOL/GEOL/MATH/METR/PHYS 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/GEOL/MATH/METR/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

390 Junior Project Laboratory. (1–4, repeatable to 4) Independent laboratory research under faculty supervision. Students apply experimental design, data analysis, and scientific communication skills while developing independence in research. Emphasizes critical thinking, ethical practice, and preparation for advanced research. *Enrollment only with permission of School Director or Program Coordinator.*

401 Inorganic Chemistry. (4) Chemistry of transition elements and nontransition elements and their compounds; nomenclature, stereochemistry, symmetry, bonding, solids, and acid-base theories. Laboratory involves synthesis and physicochemical measurements of selected compounds. *Writing Instruction in the Disciplines (WID) course. Prerequisites: CHEM 332; CHEM 370 or 374; ENG 280. 3 hrs. lect.; 3 hrs. lab.*

409 Current Inorganic Chemistry Topics. (2) Selected topics in inorganic chemistry which include current chemical bonding models, acid-base and redox approaches to inorganic chemistry, materials chemistry, and special topics related to current research are discussed. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 202 or permission of instructor. 2 hrs. lect.*

416 Chemical Literature. (1) An introduction to searching chemical research literature. *Prerequisite: 18 s.h. of Chemistry. 1 hr. lect.*

418 *(Cross-listed with BIOL/GEOL/PHYS 418)* Introduction to Scanning Electron Microscopy. (4) The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/GEOL/PHYS 418. Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.*

421 Biochemistry. (4) The chemistry of major cellular constituents and their metabolism. *Prerequisite: CHEM 330 or 332; CHEM 241 or BIOL 330 or permission of instructor. 3 hrs. lect.; 3 hrs. lab.*

422 Advanced Biochemistry. (4) A continuation of CHEM 421 emphasizing the regulation of biosynthetic pathways and gene expression. Laboratory includes analysis of biological molecules by GC, HPLC, UV spectroscopy, and electrophoresis. *Writing Instruction in the Disciplines (WID) course. Prerequisites: CHEM 421 and ENG 280. 3 hrs. lect.; 3 hrs. lab.*

425 *(Cross-listed with MICR 425)* Biochemistry of Human Disease. (4) Biochemical aspects of human diseases with emphasis on cancer and genetic disorders. The course focuses on biochemical principles of disease development and contemporary biochemistry and molecular biology methods and approaches for drug development and cancer treatments. *Not open to students with credit in MICR 425. Prerequisites: BIOL 330 or CHEM 421. 3 hrs. lect.; 3 hrs. lab.*

429 Biochemistry Topics. (2) Selected topics in biochemistry which include current topics in applications of bio-macromolecules. Cannot be applied toward the Chemistry minor. *Prerequisite: CHEM 221 or 421 or permission of instructor. 2 hrs. lect.*

433 Polymer Chemistry. (3) An introductory course in polymer chemistry, including synthesis, mechanisms of polymerization, physical and chemical characterizations, and industrial applications. Biopolymers will also be discussed. *Prerequisites: CHEM 330 with a grade of C or better, or CHEM 332 with a grade of C or better. 3 hrs. lect.*

435 Macromolecular Chemistry Topics. (2) Selected topics in organic chemistry which include current topics and applications of macromolecules. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 330 or 331, or permission of instructor. 2 hrs. lect.*

440 Fundamentals of Forensic Science. (4) Applications of chemical principles to analysis of crime scene physical evidence including serology, drugs, explosive residues, arson debris, papers and inks, paint, and DNA fingerprinting. State-of-the-art techniques and instrumentation are used. *Prerequisite: CHEM 221 or 330 or permission of instructor. 3 hrs.; lect.; 3 hrs. lab.*

442 Instrumental Analysis. (4) Theory and practice of analytical chemistry with emphasis on selected instrumental techniques. *Prerequisite: CHEM 341 and one semester of Physical Chemistry. 3 hrs. lect.; 6 hrs. lab.*

449 Analytical Chemistry Topics. (2) Selected topics in analytical chemistry which include current topics and applications of pharmaceutical or forensic analysis. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 341 or permission of instructor. 2 hrs. lect.*

452 Forensic Toxicology. (4) Designed primarily for Forensic Chemistry majors. Applications of pharmacological, toxicological, and instrumental methods used in forensic investigations of death, poisoning, and drug use. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 332 and 341. 3 hrs. lect.; 3 hrs. lab.*

453 Forensic Mass Spectrometry. (3) Designed primarily for Forensic Chemistry majors. The course focuses on mass spectrometry for identification of forensically significant compounds, such as fire accelerants, explosives, illicit drugs, and all the poisons ranging from small organic molecules to biological macromolecules. *Prerequisite: CHEM 332 and 341. 2 hrs. lect.; 3 hrs. lab.*

455 Forensic Serology and DNA Analysis. (4) Applications of biochemical principles to analysis of human tissues, body fluids, and other biological forensic evidence. Topics will include serology, blood splatter evidence screening methods, and DNA analysis and interpretation. *Writing Instruction in the Disciplines (WID) course. Does not count toward the Chemistry minor. Prerequisite: CHEM 421 and ENG 280.*

459 Professional Practice in Forensic Science. (3) Focuses on professional practice in forensic science, including case review, report writing, cognitive bias/human factors, and expert testimony. Students integrate prior knowledge and apply forensic principles to real-world scenarios following professional and ethical standard. *Does not count toward the Chemistry minor. Prerequisite: senior standing or permission of instructor.*

472 *(Cross-listed with PHYS 472)* Experimental Techniques in Materials Science. (2) This course explores basic experimental techniques used in studying the structure and properties of materials. Students will gain hands-on experience in operating a variety of instruments, and learn to collect and analyze data to study the properties of materials. *Not open to students with credit in PHYS 472. Prerequisite: PHYS 464.*

479 Physical Chemistry Topics. (2) Selected topics in physical chemistry which include modern applications, such as computational chemistry, molecular modeling, thermodynamics, kinetics, and/or surface chemistry. *Cannot be applied toward the Chemistry minor. Prerequisite: CHEM 370 or 375, or permission of instructor. 2 hrs. lect.*

481 *(Cross-listed with BIOL/GEOL/METR/PHYS 481)* Techniques and Issues in Science Teaching. (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/GEOL/METR/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

482 *(Cross-listed with BIOL/GEOL/METR/PHYS 482)* Science in Context. (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/GEOL/METR/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, or Meteorology; ENG 280; or permission of instructor.*

485 Internship in Chemistry. (3–8, repeatable to 8) An on-the-job experience in a government or industrial laboratory. To familiarize students with working environments—laboratory procedures and instrumentation they will encounter in a job situation. A formal written report is required. *Prerequisites: CHEM 332, 370 or 375, 442, junior or senior standing in Chemistry, or permission of School Director or Program Coordinator. Graded S/U only.*

490 Senior Project Laboratory. (1–4, repeatable to 4) Laboratory research under the direction of a Chemistry faculty member. The work will include the use of the chemical literature in independent research programs. A formal written report of the investigation undertaken is required. *Corequisite or Prerequisite: CHEM 492. Prerequisite: one semester of Physical Chemistry or permission of the School Director or Program Coordinator.*

491 Honors Thesis in Chemistry. (1–2, repeatable to 2) A thesis prepared under the direction of one or more faculty members.

492 Safety Practices in Chemistry Research. (1) The course is designed to train students in safety techniques and practices commonly used in laboratory research. A combination of lecture and demonstrations are used to describe MSDS, PPE, federal regulations, safe handling of hazardous reagents, and isotopes. *Prerequisite: CHEM 101 or 201 or permission of instructor.*

CHEMISTRY EDUCATION (EDUC)

239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established School criteria for admittance to TEP. *Graded S/U only.*

339 Pre-Student Teaching Clearance. (0) Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for School clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U only.*

439 Methods of Teaching Middle and High School Science. (3) Study of secondary teaching methods (Grades 6–12) from the standpoints of theory and practice, curriculum objectives and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/CHEM/GEOL/METR/PHYS 381 and EDS 301 (both with C- grade or better). Corequisite: EDS 303.*

469 Pre-Licensure Clearance. (0) Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the School in order to be recommended for licensure. *Prerequisite: School clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U only.*

480 Student Teaching. See STCH 480.

CLINICAL LABORATORY SCIENCE (CLS): CLINICAL TOPICS IN CLINICAL LABORATORY SCIENCE

Hospital-based lecture and clinical laboratory courses in an accredited and affiliated school of medical technology. Students will register for 15 s.h. for Fall semester and 15 s.h. for Spring semester. Total hours approximately 30–32 s.h.

490 Clinical Chemistry I. (1–6, repeatable to 6) Theory and practice of analytical biochemistry as applied to pathologic states, methodology, and instrumentation. Statistics as applied to reagent preparation, result determination, and quality control. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

491 Clinical Chemistry II. (1–6, repeatable to 6) Theory and practice of analytical biochemistry as applied to specialized tests for drugs, endocrine function, and urine and body fluid analysis. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

492 Clinical Microbiology I. (1–6, repeatable to 6) Theory and practice of the isolation and identification of pathogenic bacteria in clinical specimens through cultures, morphology, biochemical, and serological reactions and their drug susceptibility. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

493 Clinical Microbiology II. (1–6, repeatable to 6) Theory and practice of the isolation and identification of fungi, parasites, and viruses utilizing morphological, cultural, biochemical, and serological methods. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

494 Clinical Immunology. (1–5, repeatable to 5) The study of principles of the protective and adverse aspects of cellular and humoral responses. Performance of test procedures based on antigen-antibody reactions. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

495 Clinical Homeostasis. (1–4, repeatable to 4) The study of platelets, vascular, coagulation, and fibrinolytic systems related to the disease state and therapeutic monitoring. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

496 Clinical Hematology. (1–6, repeatable to 6) The study of the formed elements of the blood and basic morphological changes due to diseases. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

497 Clinical Immunohematology. (1–5, repeatable to 5) Theory and practice of immunohematology, including blood groups, blood transfusion, and component preparation. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

499 Selected Topics. (1–4, repeatable to 4) Selected topics of professional significance which may include management, pathology, medico-legal aspects, and basic teaching principles. *Prerequisite: acceptance for clinical education into an affiliated school of medical technology.*

COLLEGE STUDENT PERSONNEL (CSP)

445 The University and the Student. (2) Studies the mores, membership influence, commitment, expression, and governance of the college community, characteristics of a college student, and the relationship of these to personal, social, and intellectual development.

450 Workshop in Residence Student Development. (1) Examines factors affecting student growth and development in the university community, current problems facing students, and the use of group processes and leadership training in solving problems and facilitating community awareness.

COMMUNICATION (COMM)

130 Introduction to Communication and Media. (3) Introduction to interdisciplinary origins and contemporary applications in communication, public relations, broadcast journalism, and media theories and applications.

235 Communicating in Small Groups. (3) Broad examination of the functioning of communication in small groups, including practical advice for becoming a more effective group member.

241 Introduction to Public Speaking. (3) (General Education/Communication Skills) Preparation and delivery of informative and persuasive speeches. Students apply concepts of critical listening, audience adaptation, organization/support of ideas, appropriate style, and effective delivery. *Not open to students with credit in COMM 242. Accelerated section available.* ***IAI: C2 900***

242 Fundamentals of Public Speaking. (3) Preparation and delivery of informative and persuasive speeches. Students apply concepts of critical listening, audience adaptation, organization/support of ideas, appropriate style, and effective delivery completed in an online format. *Not open to students with credit in COMM 241.*

247 Argumentation. (3) A course in examining what it is to construct a strong argument in favor of any proposition through reasoning, critical thinking, and well-chosen evidence. *Writing Instruction in the Disciplines (WID) course. Prerequisite: COMM 241 or consent of instructor.*

254 Great Speeches. (3) An analysis of representative speeches that have significantly influenced the course of human events.

305 Interviewing. (3) Theory of interviewing and its purposes in various communication settings. Practical applications of the principles of interviewing.

309 Communication Theory. (3) A survey of communication theories. This course will also address the process of theory building and the role of communication theory across major paradigms guiding communication research. *Prerequisite: COMM 130 with a grade of C or higher.*

310 Qualitative Research Methods in Communication. (3) A survey of the qualitative research methods used in communication studies. Qualitative research design, data collection, analysis, and interpretation are addressed. Students will plan and conduct a final research project. *Writing Instruction in the Disciplines (WID) course. Prerequisites: COMM 130 with a grade of C or higher; ENG 180 and 280.*

311 Communication Research. (3) A practical introduction to data-based communication research projects from research design through analysis and interpretation. *Writing Instruction in the Disciplines (WID) course. Prerequisites: COMM 130 with a grade of C or higher; ENG 180 and 280.*

312 Rhetorical Criticism. (3) An introduction to the ways rhetoric works in language, images, and other media. Course explores the leading principles used to analyze and decode rhetorical messages encountered in daily life. *Prerequisite: COMM 130.*

314 Professional Presentations. (3) Advanced instruction for preparing and delivering engaging extemporaneous professional presentations using strategically designed messages. Topics include creating meaningful and aesthetically pleasing visuals, utilization of new communication technologies, working collaboratively in a group presentation, and adapting messages to diverse audiences. *Prerequisites: ENG 180 and 280; COMM 241.*

315 *(Cross-listed with WS 316)* Gender and Communication. (3) This course examines gender and gender-role differences and similarities in verbal and nonverbal communication and surveys several contexts in which sex differences in human communication occur. *Not open to students with credit in WS 316. Prerequisite: COMM 130.*

330 Language and Communication. (3) This survey course explores the historical and contemporary functions of language in communication. The course will examine theories of language, meaning, and communication, with emphasis on contemporary language research and controversies surrounding language and meaning in society. *Prerequisite: COMM 130.*

333 Risk and Crisis Communication. (3) Course is intended to provide students with an understanding of key elements of risk and crisis communication in organizational and health communication settings—pre-crisis, crisis, and post-crisis. Course focuses on understanding and developing effective messaging in such situations. *Prerequisite: COMM 130 and ENG 180.*

341 Small Group Communication. (3) Examination of significant factors which affect the behavior and effectiveness of social and task groups. Study of group behavior research.

343 Organizational Communication. (3) Survey of the different approaches to studying organizational communication as well as the various communication processes involved. Application to real-world scenarios and companies will also be discussed. *Prerequisites: COMM 130; ENG 180 and 280.*

344 Interpersonal Communication. (3) Theory and concepts relevant to face-to-face interaction. Focus on the content of communication in relationships and the role of communication in creating and defining relationships. *Prerequisites: COMM 130; ENG 180 and 280.*

345 Social Media. (3) Exploration of social media. Focus on and examination of competent communication technology use in a variety of contexts. Analysis of problematic issues of social media including accuracy, trust, privacy, and identity. *Prerequisite: COMM 130.*

346 Online Influencers. (3) This class will explore the role of social media influencers by reviewing research on opinion leadership and social influence as well as the communication variables involved in facilitating as well as hindering influencer effectiveness. *Prerequisite: COMM 130.*

356 Persuasion. (3) An exploration of cutting-edge and time-tested theories and techniques from the social sciences on changing minds and behavior. *Prerequisite: COMM 130.*

360 Media Literacy. (3) A practical introduction to media literacy grounded in an understanding of the relationship between media and society, forms of media, media consumption practices, approaches to media literacy, and disinformation. *Prerequisite: COMM 130.*

377 Nonverbal Communication. (3) Introduces basic codes, properties, and principles of nonverbal communication. Multidisciplinary content approached from scientific perspective rather than intuitive and experiential judgments. Designed to improve the communication effectiveness and understanding of the communication process. *Prerequisite: COMM 130.*

380 Special Topics in Applied Communication. (3) This course addresses special topics of interest in communication and/or provides students with the opportunity to develop communication skills that are transferable to personal and professional situations. *Prerequisite: junior standing.*

381 Intercultural Communication. (3) (Multicultural) Intercultural communication explores the intersection of culture, communication, and shared meanings. Topics may include cultural differences, traditions, contemporary issues in language across cultures, relationships, new technologies which shape our intercultural interactions, race, gender, religion, national identity, sexuality, politics, and education. *Prerequisite: COMM 130.*

400 Senior Honors Thesis Research. (3) Bibliographic and other preliminary work in preparation for a senior honors thesis (see COMM 401). Students will produce a final, graded project for this course. *This course may not be taken concurrently with COMM 401. Prerequisites: ENG 180 and 280; COMM 310 or 311; students must be juniors or first-semester seniors majoring in Communication or Public Relations.*

401 Honors Thesis. (3) Students will write a senior honors thesis. *This course may not be taken concurrently with COMM 400. Prerequisites: COMM 400; ENG 180 and 280; students must be seniors majoring in Communication or Public Relations.*

409 Communication and Conflict Management. (3) Study of the role of communication in conflict. Consideration of major theories of conflict management. *Prerequisites: COMM 130; ENG 180 and 280.*

410 Advanced Interpersonal Communication. (3) Study of theory, concepts, and methodology relevant to communication in close relationships. Examination of the dynamics and management of interaction within these contexts. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 344; ENG 180 and 280.*

413 Advanced Organizational Communication. (3) This course develops an understanding of theoretical and practical communication frameworks in order to analyze problems and generate strategies to overcome personal, group, and organizational barriers to effective communication in the workplace. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 343; ENG 180 and 280.*

418 Independent Research in Communication. (1–6, repeatable to 6) Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in broadcasting, communication, rhetoric, public address, or the speech-language-hearing sciences. *Students may count up to 3 s.h. of COMM 418 toward the Public Relations major. Prerequisites: ENG 180 and 280; consent of instructor and School Director or Program Coordinator.*

425 Health Communication. (3) This course will survey a number of topics relevant to both the institutional settings of medicine (e.g., doctor-patient interaction, media campaigns) as well as the interpersonal ramifications of illness (e.g., social support). *Prerequisite: COMM 130 or permission of instructor.*

428 Family Communication. (3) This course will investigate communication processes in the context of the family environment. Specifically, it will examine communication's role in and its influence on family relational processes. *Prerequisite: COMM 130 or permission of instructor.*

430 Communication Training and Development. (3) This course explores the knowledge and skills necessary to engage in effective communication training and development in organizations and/or consulting in the field of communication. *Prerequisite: COMM 311.*

441 Rhetoric and Public Culture. (3) Study of the ways symbolic action shapes and energizes public culture. Practical case studies detail the powerful uses of rhetoric across a range of public, professional, and educational contexts. *Prerequisites: COMM 312; ENG 180 and 280.*

445 Social Media Analytics. (3) Study of message and relational processes in social media. Examination of theory and research exploring how individuals share, send, and receive messages via communication technologies. *Prerequisite: COMM 345.*

456 Communication Campaigns. (3) Principles and practical steps in designing campaigns targeted at the public using strategic message and channel choices. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 356; ENG 180 and 280.*

457 Social Influence. (3) Study of powerful impact other people have to change people's minds. Students will learn how to leverage and resist social influences in their everyday lives. *Prerequisites: COMM 130 with a grade of C or higher; COMM 311 with a grade of C or higher; COMM 356; ENG 180 and 280.*

480 Special Topics in Communication. (1–3, repeatable to 6, for different topics, with permission of School Director or Program Coordinator) This course deals with selected topics of interest in communication such as nonverbal communication, intercultural communication, and family communication. *Prerequisites: ENG 180 and 280; completion of at least 12 s.h. in Communication.*

496 Communication Internship. (1–12, repeatable to 12) Directed work assignments in private or public sectors in communication areas. *Students may count up to 3 s.h. of COMM 496 toward the Communication major or the Public Relations major. Prerequisites: Junior standing; 12 s.h. of Communication courses completed; ENG 180 and 280; permission of internship coordinator and School Director or Program Coordinator; a GPA of 2.50 in major courses taken as well as an overall GPA of 2.25. Graded S/U only.*

COMPUTER SCIENCE (CS)

101 Computer Literacy I. (3) Covers computer hardware and computing concepts; introduction to word processing, spreadsheets, database, electronic communications, and presentation software. *Cannot be applied to the Computer Science major. Credit cannot be given for more than one of CS 101 or 203.*
IAI: BUS 902

114 Introduction to Computer Science. (3) Introduction to computer algorithms, problem specification, correctness, computer structure, sets, truth tables, functions, and iteration. Presentation of basic principles of a current programming language. *Credit cannot be given for CS 114 after or in the same semester as credit is given for CS 214. Credit cannot be given for CS 114 and CS 211 or CS 212 or CS 201.*

199 Independent Study. (1–3, repeatable to 3) Individual study, project, or research in an area of Computer Science under the supervision of a Computer Sciences faculty member. Report detailing accomplishments required. Intended for freshmen and high school students. *Prerequisites: permission of instructor and approval of School Director or Program Director.*

214 Principles of Computer Science. (3) Introduction to computer program design, testing, documentation, simple data structures, references, sorting, searching, and algorithm development. *Credit cannot be given for both CS 214 and CS 202. Corequisite: MATH 128. 3 hrs. lect.; 1 hr. lab.*
IAI: CS 911.

217 Artificial Intelligence Exploration. (3) This course explores the nature, applications, and impact of Artificial Intelligence. This course is designed for non-CS majors who have a basic Math/Science background. *Cannot be applied toward the Computer Science major. Prerequisite: CS 114 or MATH 128, 133, or 137, or equivalent.*

220 Introduction to COBOL. (3) Structured programming methods in COBOL. Introduction to file concepts and file processing.

225 Programming for Engineering and Science. (3) Fundamental principles, concepts, and methods of computing, with emphasis on applications in the physical sciences and engineering. Basic problem solving and programming techniques; fundamental algorithms and data structures; use of computers in solving engineering and scientific problems. *Cannot be used towards a major in Computer Science. Prerequisite: MATH 133.*

230 External Files. (3) To introduce concepts and techniques to create and maintain sequential, indexed, and relative files using Virtual Storage Access Methods (VSAM) and Access Method Service utilities (IDCAMS). *Prerequisite: CS 220 or equivalent.*

232 Computer Game Design. (3) Design and develop games using the cross-platform Unity game engine (or similar engines). Game engine skills and related programming skills in a high-level language such as C#. Projects and challenges to hone these skills. *Prerequisite: CS 114 or 214.*

250 Data Structures I. (3) Review of basic structures; object-oriented techniques; analysis, comparison, and design of algorithms for data structure processing; binary trees, recursion; sorting, searching methods. *Prerequisites: CS 214 with a grade of C- or better and MATH 128 or equivalent.*
IAI: CS 912.

301 Spreadsheet Applications. (3) This course covers advanced spreadsheet techniques including microprogramming. Also covered are on-line information systems, package installation, and other advanced application techniques. *Credit cannot be given for both CS 301 and CS 302. Prerequisite: CS 101 or ACCT 201.*

302 Spreadsheet and Database Applications. (3) Covers both spreadsheet and database applications from a business perspective. Emphasis will be placed on working with formulas, formatting, charting, query construction, form generation, report generation, and the integration of these applications. *Cannot be applied towards the Computer Science major. Credit cannot be given for both CS 301 and CS 302. Credit cannot be given for both CS 483 and CS 302. Prerequisite: CS 101 or equivalent.*

305 Introduction to Computer Forensics. (3) An introduction to computer forensics. The course will cover a range of computer hardware and forensics software tools on current and past operating systems. *Prerequisite: CS 101 or CS 114 or CS 214 or LEJA 255 or equivalent.*

306 Advanced Computer Forensics. (3) Computer forensic software will be used for data acquisition and analysis. Topics include forensic issues common to file systems, evidence collection, and case building tasks regularly used in the analysis of electronic evidence. *Prerequisite: CS 305.*

310 Computer Organization I. (3) Numeric representation, logic gates, latches, adder design; architectural components: ALU, bus, IO devices; memory organization; instruction set design and tradeoffs, addressing techniques. *Prerequisites: CS 214.*

315 E-Commerce Technology. (3) Concepts, design, and applications related to electronic commerce. Course is designed for nonmajors, especially those who will manage or operate an E-Commerce system in a business environment. *Cannot be applied toward the Computer Science major. Prerequisite: CS 101 or CS 114 or an introductory programming class.*

320 Ethical, Social and Legal Issues in the Digital World. (3) (Multicultural) Study of challenges and implications of computer technology for users and IT professionals. Topics include global perspectives on ethical, social, and legal issues in software quality, freedom of expression, privacy, intellectual property, hacking, and computer crime. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisite: ENG 180, ENG 280, and junior standing.*

351 Data Structures II. (3) Advanced data structures with emphasis on non-linear data structures. Strategies for constructing algorithmic problem solutions. Analyzing the time and space efficiency of algorithm

implementations. *Prerequisites: CS 250 with a grade of C- or better and (MATH 255 or MATH 341).*

355 Automata and Computability Theory. (3) An introduction to the modern theory of computing: automata theory, formal languages, and effective computability. Topics covered include finite automata and regular languages; pushdown automata and context-free languages; Turing machines and general computability; undecidability and the halting problem. *Prerequisites: junior standing and (MATH 255 or MATH 341).*

371 *(Cross-listed with CSEC 371)* UNIX. (3) An introduction to the UNIX environment. Includes shell commands, scripting, regular expressions, SED, process manipulation, forks, threads, process synchronization, introduction to system programming. *Not open to students with credit in CSEC 371. Prerequisite: CS 250 or Corequisite: CS 250.*

395 *(Cross-listed with CSEC 395)* Computer Security Fundamentals. (3) Computer and cybersecurity basics: terminology, security principles, data security, security mechanisms, usable security, network defense, OS security, and legal/ethical issues. *Not open to students with credit in CSEC 395. Prerequisite: CS 214 or consent of School Director or Program Director.*

398 *(Cross-listed with CSEC 398)* Cybersecurity Principles. (3) Basics of security design principles, security mechanisms, security policies, and network defense. Topics: security design, threats, risk assessment, access control models, network defense, firewalls, and legal/ethical issues. *Not open to students with credit in CSEC 398. Corequisite: CSEC 322. Prerequisites: CS 250 and CS/CSEC 371.*

400 Computer Organization II. (3) Computer systems analysis and design, interconnection structures, memory, input/output processors, machine instructions sets, microprogramming, CPU structures, control units, parallel processing, computer architectures and systems. *Prerequisites: CS 214 and 310.*

410 Operating Systems. (3) Overview of the concepts/theory of operating systems with emphasis on process management, memory management, file management, scheduling, device management, and synchronization. *Credit cannot be given for both CS 410 and CS 511. Prerequisites: CS 310 and (CS 250 or CS 500*). (* If taking CS 410G.)*

415 E-Commerce Systems Development. (3) Tools and technologies related to electronic commerce system development will be covered. Emphasis will be placed on developing the infrastructure and exploring the emerging technical issues in support of E-Commerce. *Prerequisite: CS 250.*

420 Computer Communication and Networks. (3) Survey of the operational features of telecommunications systems, computer networks, and distributed-processing systems. Considerations for the design of real-time systems. *Credit cannot be given for both CS 420 and (CS 484 or CS 555). Cannot be applied toward the Cybersecurity major. Prerequisite: CS 351 or CS 500*. (* If taking CS 420G.)*

425 Server-Side Web Development. (3) Significant development of server-side web applications using server-side architecture and a current scripting language. *Prerequisite: CS 351 or (CS 250 and IS 415) or (CS 250 and CSEC 422).*

433 *(Formerly CS 210)* Python for Data Exploration. (3) Programming data-intensive and computational applications in Python. The emphasis is on using Python's various technical libraries and tools geared toward data manipulation, visualization, and analysis, as well as scientific computing. Relevant case studies are used to hone these skills. *Prerequisites: (CS 114 or CS 214) and (MATH 128 or STAT 171).*

434 *(Cross-listed with CSEC 434)* Distributed Systems for Big Data. (3) Principles of distributed systems and their design for big data applications. Topics include the characteristics and constraints of distributed algorithms, reliability, scalability, and data intensive applications. Big data applications such as big data storage and scientific simulations are discussed. *Not open to students with credit in CSEC 434. Prerequisites: CS 250 and (CSEC 322 or CS 410).*

439 Methods of Teaching Middle and High School Computer Science. (3) Designed to aid the middle and high school computer science teacher in developing curriculum objectives, learning standards implementation, materials, computer learning environments, and evaluation and assessment. Includes reading, analyzing, and debugging code through exercises, demonstrations, discussions, lectures, and classroom participation. *Prerequisite: CS 250.*

455 Computer System Security. (3) Survey of major areas of computer system security. Emphasis on detection and prevention. Hardware and software discussed. *Cannot be applied to the Computer Science major. Prerequisite: CS 101 or CS 114 or (CS 101 and CSEC 102) or equivalent.*

460 Artificial Intelligence Methods. (3) An introduction to the main principles and methods of artificial intelligence. Solving problems by searching, knowledge, and reasoning; machine learning; current AI applications. Programming paradigms relevant to AI will be explored. *Credit cannot be given for both CS 460 and CS 547. Prerequisite: CS 351 or CS 500*. (* If taking CS 460G.)*

463 Deep Learning with Applications. (3) Current deep learning models and applications to big data with hands-on exercises. *Not open to students completing an M.S. in Computer Science degree. Prerequisite: CS 433.*

465 Computer Graphics. (3) Introduction to computer-generation of images of 3D scenes using modern graphics API (such as OpenGL with GLSL). Emphasis on programming techniques for rendering, animation, and 3D modeling, as well as necessary mathematical foundations. *Credit cannot be given for both CS 465 and CS 565. Prerequisite: CS 351 or CS 500*. (* If taking CS 465G.)*

467 Computer Vision. (3) Introduction to computer vision covering image representation, filtering, feature extraction, and recognition. Progresses from classical methods to modern deep learning approaches for object detection and segmentation. Emphasis on hands-on applications. *Prerequisite: CS 351.*

470 Database Systems. (3) Survey of data models with emphasis on the relational model. Data normalization. Query languages and query optimization. Design and security considerations. Exposure to commercial database management systems. *Credit cannot be given for both CS 470 and (CS 483 or CS 521 or IS 342). Prerequisite: CS 351 or CS 500* or (CS 250 and (CS/CSEC 395 or CS/CSEC 398)). (* If taking CS 470G.)*

472 Introduction to Big Data. (3) This course focuses on the big data technologies that facilitate the preparation, storage, and processing of big data. Specific state-of-the-art big data technologies such as distributed file systems, parallel programming models, and high performance databases are covered. *Prerequisites: CS 310 and (CS/CSEC 371 or CSEC 375).*

478 GPU Programming. (3) Graphics Processing Unit (GPU) programming. Parallel algorithms and programming techniques for GPUs. Current state-of-the-art techniques in GPU programming. *Prerequisites: CS 351 and CS/CSEC 371.*

481 Database Programming. (3) Introduction to practical aspects of querying relational databases (using SQL). Creating applications written in high-level, general-purpose programming languages (Python) for interacting with databases. Necessary programming fundamentals, principles of database querying, developing applications that work with databases. *Cannot be applied toward the Computer Science major. Prerequisites: STAT 171 and junior standing, or permission of instructor.*

483 Elementary Database Applications. (3) Covers command language, programming logic, and applications of database systems for the non-Computer Science major. *Cannot be applied to the Computer Science major. Credit cannot be given for both CS 483 and (CS 302 or CS 470 or IS 342). Prerequisite: CS 101 or 114.*

484 Network and Data Communications Concepts. (3) Concepts and design of commercial computer and telecommunications networks. Course is designed for nonmajors, especially those who will manage or operate networks in a business environment. *Cannot be applied toward the Computer Science major. Credit cannot be given for both CS 484 and CS 420. Prerequisite: CS 101 or CS 114 or CS 214 or (CS 211 and CS 212).*

488 Introduction to Programming with Visual Basic. (3) Introduction to the principles of programming for Windows in Visual Basic. Principles include event-driven programming, control structures, data types and structures, properties, events, methods of controls, and forms. *Cannot be applied toward the Computer Science major. Prerequisite: CS 101 or ET 105, or equivalent.*

491 Software Engineering I. (3) This course will focus on the design principles of large software systems. Topics include software life cycle models, agile methods, requirements engineering, object-oriented design and analysis, software architecture styles, prototyping, and team participation. *Writing Instruction in the Disciplines (WID) course. Prerequisites: CS 351, 355; ENG 280; and at least 85 s.h.; or consent of School Director or Program Director.*

492 Software Engineering II. (3) This course covers project management, implementation, testing, and maintenance of a large software system following industrial standards. Topics include scheduling, estimation, source control, testing strategies, testing techniques, and teamwork. *Writing Instruction in the Disciplines (WID) course. Prerequisite: CS 491.*

495 Computer Science Internship. (1–12, repeatable to 12) Credit for work experience in a research, governmental, or business organization. Internship project report required. *Only 3 s.h. can be used for the major. Prerequisites: Computer Science major, 15 s.h. of Computer Science courses, and written permission of the School Director or Program Director. Graded S/U only.*

497 Senior Honors Project. (3–6, repeatable to 6) This course provides a project option within the Honors in the Major for Computer Science disciplines. Project directed by a Computer Sciences faculty member. *Prerequisite: senior Honors in the Major candidate or consent of School Director or Program Director.*

499 Independent Study. (1–3, repeatable to 6, 3 per semester) Individual study or research in an area of Computer Science under the supervision of a Computer Science faculty member. Project report required. *Prerequisite: approval of School Director or Program Director.*

CONSERVATION (CONS)

305 Sustainable Agriculture. (3) An investigation of current and historical efforts to increase agricultural sustainability through government programs, research and technological development, organic agriculture, grassroots activism, and the greening of industry. *Prerequisite: AGRN 278 or permission of the instructor.*

405 Soil and Water Conservation. (4) The study of the maintenance of a quality environment through the conservation of soil and water resources. *4 hrs. lect.*

CONSTRUCTION MANAGEMENT (CSTM)

132 Introduction to Construction Management. (3) Introduction to the field of Construction and Facilities Management. Includes the study and application of methods, systems, processes, tools, and equipment that are common to current industry practices in the built environment. *Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

230 Construction Documents and Plan Reading. (3) A comprehensive study of the common construction documents including plan reading methodologies, bid documents, addenda, and basic quantity take-off of construction materials. *Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. 3 hrs. lect.*

234 Construction Systems and Concepts. (3) Construction systems and concepts including relationships between materials used in construction. Content includes basic materials used in residential and commercial structures. *Prerequisite or Corequisite: CSTM 132. 3 hrs. lect.*

236 Surveying for Construction. (3) An introduction to surveying methods used in the construction industry. Students will learn surveying techniques for roads and building sites. Conventional as well as electronic surveying equipment will be used. *Not open to students with credit in AGTM 461. Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

260 Construction Statics and Strength of Materials. (3) A study of structural factors that influence the development of building design. Survey of statics and strength of materials with an introduction to structural planning and preliminary structural design for temporary structures related to Construction Management. *Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. 3 hrs. lect.*

301 Residential Architectural Design. (3) The study of residential architectural design including drawing setup, architectural programming, site plan, floor plan layouts, elevation, construction details, and 3D modeling using current industry software. Provides students with the foundational knowledge of blueprint creation for residential building construction projects. *Prerequisite: ET 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

302 Commercial Architectural Design. (3) A study of Building Information Modeling (BIM) for commercial construction teaching students the basic skills to develop and use BIM on a project for construction planning, documents, cost estimating, and high-quality 3D designs utilizing current industry software. *Prerequisite: CSTM 301. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

320 *(Cross-listed with ET 320)* Professional Preparation. (3) Prepare and enable students to gain skills and experiences with the professional internship search process and career success. Topics include cover letters, resume preparation, networking, job-searching, interviewing, professional business communications, presentations, and industry-appropriate correspondences specific to the major. *Not open to students with credit in ET 320. Prerequisites: any ENGR, CSTM, or ET major or minor; sophomore standing or permission of instructor. Activity charge for course.*

336 Aggregate Based Materials. (3) A study of residential and commercial uses of aggregate materials as structural systems with a focus upon aggregate, Portland cement concrete, and asphalt cement concrete. Laboratory experiences include application techniques. *Prerequisite: CSTM 234. 2 hrs. lect.; 2 hrs. lab.*

337 Electrical and Mechanical Systems. (3) A study of electrical and mechanical systems. Content includes electrical, plumbing, and HVAC system design; lighting, acoustics systems selection, and utilization for energy conservation. Sustainable energy options and trends for all systems will also be introduced. *Prerequisite: CSTM 234. 3 hrs. lect.*

345 Construction Scheduling. (3) A study of planning and scheduling practices used by the construction industry. Scheduling logic, productivity and durations, resource leveling, cost loading, critical path issues, and applications of computer software for the creation of construction project schedules are covered. *Prerequisite: MATH 113 with a grade of C- or better, or permission of instructor. Pre- or co-requisites: CSTM 230 and 234, or permission of instructor. 3 hrs. lect.*

348 Construction Occupational Safety and Health. (3) A study of the Federal OSHA Act as it applies to the construction industry. Beyond federal regulations, the course includes accident prevention plans, safety education, and documentation preparation. *Pre- or co-requisite: CSTM 234 or permission of instructor. 3 hrs. lect.*

356 *(Cross-listed with ET 356)* Introduction to Power Systems. (3) A study of electrical, hydraulic, and pneumatic power systems. Emphasis upon structural and behavioral characteristics of components used in the generation, transmission, and control of power systems used in contemporary industry. *Not open to students with credit in ET 356. Prerequisite or Corequisite: PHYS 114 or 115 or 150 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

430 Construction Estimating. (3) A study of construction industry estimating techniques and practices for both residential and commercial construction. Students will practice estimating with both simulation exercises and actual construction projects. Computer software will be utilized in this course. *Prerequisite: CSTM 230 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

433 Legal Aspects of Construction. (3) A comprehensive review of legal aspects of construction for managers. Topics include contracts/agreements, liens, bonds, insurance, codes, certification, laws, and ethics. *Prerequisites: senior standing, CSTM 345, CSTM 348, and 27 s.h. of CSTM Core courses completed; or permission of instructor. 3 hrs. lect.*

434 Construction and Facilities Management. (3) Summarizes the project management issues in both Construction and Facilities Management professions. Includes Construction and Facilities Planning, Capital Projects Management, Real Estate, and Human Resource Management as they link to current technology relevant to new and existing constructed works. *Prerequisites: senior standing, CSTM 345, CSTM 348, and 27 s.h. of CSTM Core courses completed; or permission of instructor. 3 hrs. lect.*

440 Green and Sustainable Construction. (3) (Multicultural) Comprehensive coverage of green and sustainable construction principles, materials, and methods. Sustainable construction rating systems will be discussed with the focus on LEED criteria. *Prerequisite: 75 hours of completed college coursework or permission of instructor. 3 hrs. lect.*

455 Construction Management Seminar. (1–3, repeatable to 3 for different topics) Each offering provides students with an opportunity for intensive study in specialty topics reflective of the variety in Construction Management. *Prerequisite: junior standing or permission of instructor. Graded S/U only.*

460 Soils and Foundations for Construction. (3) A course on basic principles of structural soils and structure foundations, soil classification implications, and applications for the construction industry. *Prerequisite: CSTM 260. 3 hrs. lect.*

470 Facilities Management Capstone. (3) Summarizes the construction option of study in Facilities Management combining areas of Facilities Planning, Capital Projects Management, Real Estate, and Human Resource Management as they link to current technology. *Prerequisites: RSTA 482, ET 346, and senior standing. 3 hrs. lect.*

492 Independent Study. (1–3, repeatable to 6) Selection and exploration of a specific area of Construction Management or planning issue, solution of a specific construction industry problem, in-depth study of specific areas of construction, or exploration and/or achievement of a relevant professional certification. *Prerequisite: Senior college standing, 21 s.h. of CSTM coursework, and approval of School Director or Program Director. GPA requirement of 2.50 in major.*

493 Internship. (3, repeatable to 9) Off-campus work experience in construction. Written weekly reports required. *Writing Instruction in the Disciplines (WID) course. Recommend completion before entering last term on campus. A maximum of 9 s.h. may be applied toward major requirements. Prerequisites: junior/senior standing; ENG 280; CSTM 348 or ET 448; a cumulative minimum GPA of 2.00, a minimum GPA 2.00 in the major/minor, and approval of School Director or Program Director. Graded S/U only.*

COUNSELOR EDUCATION (CN)

433 Special Problems in Counseling. (1, repeatable for different titles) Designed to provide a group of students an opportunity for further professional growth and to apply problem solving approaches in dealing with specific issues. *Prerequisite: junior or senior standing, or permission of School Director or Program Coordinator. Graded S/U only.*

CURRICULUM AND INSTRUCTION (C&I)

170 Classroom Observation in Education. (1, repeatable to 2) Observation of an elementary or middle level classroom with accompanying seminars focused on exploration of organization and delivery of classroom instruction. *Graded S/U only.*

270 Education Fieldwork Seminar I. (1, repeatable to 4) Pre-clinical experience in elementary or middle level classrooms. Students explore and apply learning theories as they assist with tutoring and daily classroom instruction. *Transportation not furnished. Prerequisites or Corequisites: EDS 110. Graded S/U only.*

370 Education Fieldwork Seminar II. (1, repeatable with no maximum) Pre-clinical experience in elementary or middle level classrooms. Students explore and apply learning theories as they assist with tutoring and daily classroom instruction. *Transportation not furnished. Prerequisite: Fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.*

371 Education Fieldwork Seminar III. (1–3, repeatable to 6) Clinical experience in elementary/middle level classrooms. Students explore and apply learning theories and practices as they observe and participate in daily classroom instruction. *Transportation not furnished. Prerequisites: C&I 170, 270, 370; EDS 110; permission of School Director or Program Coordinator; fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.*

445 Honors Seminar. (2, not repeatable) Reading, research, writing, and discussion on educational topics to be announced in advance. Normally, a service learning project and a seminar presentation will be required. *Prerequisites: C&I 170 or ECH 273.*

470 Senior Practicum in Education. (1–4, repeatable to 6) Supervised pre-clinical practicum in elementary or middle level classrooms with accompanying seminars. Students work closely with cooperating teachers in planning and implementing instruction, including curriculum integration of technology, guiding learning, and evaluating progress in the elementary or middle schools. *Transportation not furnished. Prerequisites: C&I 370; fully accepted into Teacher Education Program (TEP). Graded S/U only.*

CYBERSECURITY (CSEC)

101 Introduction to Cybersecurity I. (2) An introductory overview on the importance of cybersecurity, cyber hygiene and online safety, usable security, social engineering, technological aspects of cybercrimes, cyber threats, cyber defense, and legal/ethical issues.

102 Introduction to Cybersecurity II. (1) This course emphasizes best practices in cyberspace for privacy and security. Lab exercises cover elementary topics in cybersecurity such as software security, access control, cryptography, cyber threat awareness, the deep web, human factor security, social engineering, and network defense. *Prerequisite: CSEC 101.*

199 Independent Study. (1–3, repeatable to 3) Individual study, project, or research in an area of Cybersecurity under the supervision of a Computer Sciences faculty member. Report detailing accomplishments required. Intended for freshmen and high school students. *Prerequisites: permission of Instructor and approval of School Director or Program Director.*

321 Network Fundamentals. (3) Introduction to the diverse software and hardware components of a computer network. Topics include OSI and TCP/IP network architecture, overview of TCP/IP protocols, access networks, network topologies, circuit, packet and virtual circuit switching, switched LANs, and LAN Security. *Prerequisite: CS 114 or 214.*

322 Switching and Routing I. (3) An examination of network protocols for creating and managing a switched network. Topics will include Ethernet LANs, Virtual LANs, VLAN trunking, network and link layer addressing, subnetting, DHCP, access control lists, NAT and introduction to routing. *Prerequisite: CSEC 321. 3 hrs. lect.; 1 hr. lab.*

323 Switching and Routing II. (3) An examination of interior and exterior routing protocols. Topics will include intra-AS and inter-AS routing protocols, IPv4 and IPv6 routing configuration, load balancing routing, VPN tunnels, and managing network devices via SNMP. *Prerequisite: CSEC 322. 3 hrs. lect.; 1 hr. lab.*

326 Cybersecurity and Infrastructure Administration. (1, repeatable to 3) Hands-on practical administration and defense of modern hybrid IT infrastructure. Simulates real-world tasks, cybersecurity operations, infrastructure security, and network security. Students shadow, participate in guided activities deploying, configuring, and securing systems/networks in virtualized and cloud-integrated environments. *Prerequisite: CSEC 322. 0 hrs. lect.; 2 hrs. lab.*

330 Cyber-Physical Systems. (3) This course introduces the fundamentals and security challenges in emerging cyber-physical systems. Topics include system modeling, analysis, design and simulation, scheduling, and security. *Prerequisites: CS 305 and CSEC 321.*

345 Secure Coding and Design. (3) Secure software design. Identifying and fixing security flaws in code. String security flaws and resulting vulnerabilities, including buffer overflows, stack smashing, and code injection. Pointers, I/O, runtime protection strategies, and dynamic memory management. *Prerequisite: CS 250 and CS/CSEC 371, or permission of the School Director or Program Director.*

371 *(Cross-listed with CS 371)* UNIX. (3) An introduction to the UNIX environment. Includes shell commands, scripting, regular expressions, SED, process manipulation, forks, threads, process synchronization, introduction to system programming. *Not open to students with credit in CS 371. Prerequisite: CS 250 or Corequisite: CS 250.*

375 Linux Systems Administration. (3) Administration of server systems, configuring users, groups, and devices, software management, backups, network services configuration, server security and performance, scripts for server management. *Prerequisite: CS/CSEC 371 or permission of School Director or Program Director.*

376 Windows System Administration. (3) This course covers the management of an enterprise Windows server, including the configuration of users, groups, and devices using Active Directory, the management of domain controllers, network services configuration, server security and performance, and scripting for server management. *Prerequisite: CSEC 375 or permission of the School Director or Program Director.*

395 *(Cross-listed with CS 395)* Computer Security Fundamentals. (3) Computer and cybersecurity basics: terminology, security principles, data security, security mechanisms, usable security, network defense, OS security, and legal/ethical issues. *Not open to students with credit in CS 395. Prerequisite: CS 214 or consent of School Director or Program Director.*

398 *(Cross-listed with CS 398)* Cybersecurity Principles. (3) Basics of security design principles, security mechanisms, security policies, and network defense. Topics: security design, threats, risk assessment, access control models, network defense, firewalls, and legal/ethical issues. *Not open to students with credit in CS 398. Corequisite: CSEC 322. Prerequisites: CS 250 and CS/CSEC 371.*

422 Web Technologies. (3) An examination of the Web and its current development technologies. Topics will include HTML, XML, scripting, Web databases, and Web services. *Prerequisite: CSEC 321.*

434 *(Cross-listed with CS 434)* Distributed Systems for Big Data. (3) Principles of distributed systems and their design for big data applications. Topics include the characteristics and constraints of distributed algorithms, reliability, scalability, and data intensive applications. Big data applications such as big data storage and scientific simulations are discussed. *Not open to students with credit in CS 434. Prerequisites: CS 250 and (CSEC 322 or CS 410).*

436 Advanced Network Security. (3) An examination of advanced network security and network defense. Topics include network defense, applied cryptography, security protocols, defense tools, security policies and implementation, and operational procedures. *Credit cannot be given for both CSEC 436 and CS 505. Prerequisites: CS/CSEC 395 and CSEC 322 and CS/CSEC 398, or permission of School Director or Program Director.*

482 Wireless LANs and Security. (3) Radio Frequency Fundamentals, features and functions of Wireless LANs, Spread Spectrum Techniques, IEEE 802.11 architecture, Wireless LAN Security, Designing and Troubleshooting Wireless LANs. *Prerequisites: CS/CSEC 395 and CSEC 322.*

489 Penetration Testing and Ethical Hacking. (3) Introduction to the techniques and tools for information gathering and vulnerability assessment of networked systems. Topics include target enumeration, network sniffing, client and remote exploitation, web and wireless hacking. *Prerequisites: (CSEC 321 or CS 420 or CS 555), (CS/CSEC 395 or CS 505), and (CS/CSEC 371 or CSEC 375).*

493 *(Cross-listed with IS/LEJA 493)* Topics in Cybercriminology. (3) Topics to include additional depth, readings, and/or examination of research trends in cybercriminology, emphasizing interdisciplinary perspectives. Explore technological, legal, motivational, and organizational issues shaping cybercrime. *Not open to students with credit in IS/LEJA 493.*

495 Cybersecurity Internship. (1–12, repeatable to 12) Work experience in a research, government, or business organization. Internship project report required. *Only 3 s.h. can be used for the major. Prerequisites: Cybersecurity major, 15 s.h. of Cybersecurity courses, and written permission of School Director or Program Director. Graded S/U only.*

497 Senior Honors Project. (3–6, repeatable to 6) Provides a project option within the Cybersecurity Honors in the Major. Project directed by a Computer Sciences faculty member. *Prerequisite: senior CSEC Honors in the Major candidate or consent of the School Director or Program Director.*

499 Independent Study. (1–3, repeatable to 6, 3 per semester) Individual study or research in the area of Cybersecurity under the supervision of a Cybersecurity faculty member. Project report required. *Prerequisites: junior standing and consent of the School Director or Program Director.*

DANCE (DAN)

110 Ballet I. (2, repeatable to 4) Introduction to exercises at barre, exercises at center, simple allegro work, and simple adagio.

112 Musical Theatre Dance I. (2, repeatable to 4) Survey of the historical influences from which jazz dance evolved and beginning jazz techniques.

113 Modern Dance I. (2, repeatable to 4) Beginning modern dance technique and creative approach.

116 Tap Dance I. (1, repeatable to 2) Fundamentals of tap and soft shoe.

117 *(Cross-listed with KIN 117)* Pilates Exercise. (1, repeatable to 4) Pilates-based, mat-work fundamentals and basic concepts of Core Dynamics and floor exercises for physical/mental conditioning that change, tone, center, balance, and strengthen the body. Holistic exercise uses specific breath support while the body is engaged in dynamic exercise and includes a posture analysis to determine individual needs and goals.

119 Improvisation. (1) Exploration of individual and group movement potential in a spontaneous context, as it relates to dance.

210 Ballet II. (2, repeatable to 6) Intermediate technique and skill. Continuation of Ballet I. *Prerequisite: permission of instructor.*

212 Musical Theatre Dance II. (2, repeatable to 6) Intermediate skill, techniques, and movement combinations. Continuation of Jazz I. *Prerequisite: permission of instructor.*

213 Modern Dance II. (2, repeatable to 6) Intermediate level skills and techniques. Continuation of Modern Dance I. *Prerequisite: permission of instructor.*

216 Tap Dance II. (1, repeatable to 2) Intermediate tap dance and soft shoe skills and continued study of beginning skills and theory. *Prerequisite: DAN 116 or permission of instructor.*

219 Composition. (2) Introduction to application of choreographic principles with emphasis on movement invention and development of evaluative skills. *Prerequisite: DAN 119. Concert attendance required*

310 Ballet III. (2, repeatable to 6) Continuation of Ballet II. *Prerequisites: DAN 210 and permission of instructor.*

313 Modern Dance III. (2, repeatable to 6) *Prerequisites: DAN 213 and permission of instructor.*

316 Musical Theatre Dance III. (2, repeatable to 6) This dance performance course focuses on the specific needs for a performer in Musical Theatre. Students will gain practical experience in dance areas pertinent to Musical Theatre performance such as partnering, solo work, and dancing in a chorus. *Prerequisites: Musical Theatre major and permission of instructor.*

382 Dance History and Philosophy. (3) A survey of dance from pre-literary times to the present in relation to philosophical and sociological factors of dance as an art form in society.
IAI: F1 906.

385 Movement and Music Analysis. (3) Review of musical notation and application through playing of keyboard and percussion instruments. Analysis of recorded music for meter, rhythmic pattern, and phrasing.

386 Special Projects in Dance. (1–6, repeatable to 6 for different topics) *By arrangement with Dance advisor one semester in advance.*

413 Advanced Techniques of Modern Dance. (2, repeatable to 6) Advanced modern dance techniques with emphasis on performance qualities in projection, vitality, and execution. *Prerequisites: DAN 313 and permission of instructor.*

490 Independent Study. (1–3, repeatable to 6 for different topics) *By arrangement with instructor.*

DECISION SCIENCES (DS)

200 Introduction to Business Analytics. (3) An introduction to the basic methods and techniques essential to the field of Business Analytics. Topics include models for summarizing and visualizing data, use of spreadsheets for examining and building decision models, and introduction to optimization and forecasting models.

303 Applied Business Forecasting and Regression Analysis. (3) A survey of the basic methods and techniques that are available for business forecasting including moving average and exponential smoothing techniques; classical decomposition; and simple, multiple, and time series regression techniques. *Prerequisite: STAT 171.*

421 *(Formerly DS 321)* Data Visualization for Decision Making. (3) This course provides an introduction to the process and methods of visualizing information for the purpose of communicating actionable findings in a decision-making context. Hands-on experience with software for sourcing, organizing, analyzing, comprehending, reducing, and visualizing data. *Not open to students with credit in DS 521. Prerequisites: STAT 171 or equivalent; and DS 303 or equivalent; and CS 114 or equivalent; or consent of instructor.*

423 Management Science Techniques and Business Analytics. (3) An introduction to management science/operations research techniques. Students are introduced to theory and applications of linear, integer, goal, and dynamic programming models; transportation, assignment, network and inventory models; PERT/CPM, capital budgeting, and decision theory. *Not open to students with credit in DS 523. Prerequisite: STAT 171 or equivalent.*

435 Applied Data Mining for Business Decision Making. (3) This course provides an introduction to data mining methods for business applications. Students will learn the basics of data selection, preparation, statistical modeling, and analysis aimed at the identification of knowledge fulfilling organizational objectives. *Prerequisite: DS 303 or STAT 276 or equivalent; and CS 114 or equivalent; or consent of instructor.*

460 Independent Study in Decision Sciences. (1–3, repeatable to 3) Independent research on topics in Decision Sciences mutually selected by student and instructor. *Prerequisites: DS 303 and senior standing, with written consent of School Director or Program Director.*

480 Predictive Analytics. (3) A survey of topics in predictive analytics methods and techniques essential for business analysts. Topics include time series regression, logistic regression, neural networks, decision trees, ensemble models, and simulation models for understanding the effect of uncertainty. *Not open to students with credit in DS 580. Prerequisites: DS 490 or CS 114 or equivalent, and 6 s.h. of either STAT or DS coursework; or consent of instructor. Materials charge for course.*

485 Big Data for Business Decision Making. (3) This course provides an introduction to big data analytics tools and methods for business applications. Topics include exploration, classification, dimension reduction, and structured and unstructured data. Statistical software will be used to analyze business data. *Prerequisites: STAT 171 or equivalent; and DS 303 or equivalent; and CS 114 or DS 490 or equivalent; or consent of instructor.*

489 Seminar in Contextual Business Analytics. (3) An industry, case study, focused course that explores topics relevant to applying business analytics models and theories to current corporate projects. Exact topics will change based on instructor expertise and market trends. *Prerequisite: DS 490 or CS 114, and 6 s.h. of additional DS coursework; or consent of instructor.*

490 Statistical Software for Data Management and Decision Making. (3, repeatable to 6 for different titles) This course provides students with the basic concepts of statistical computing. Students will gain experience with statistical software packages, such as SAS, R, or SPSS, and their applications. Methods of data preparation and validation, analysis, and reporting will be covered. *Prerequisites: STAT 171 or equivalent, and DS 303 or PSY 223 or SOC 324 or POLS 284 or equivalent; or consent of instructor.*

494 Internship in Business Analytics. (1–12, repeatable to 12) Supervised employment experience with an approved employer/sponsor in business analytics. *Only 3 hours per semester can be included in the major or minor. For internships that are two semesters or more in length, and with approval of the School Director or Program Director, a maximum of 6 hours may be included in the major. Prerequisites: junior or senior Business Analytics major or minor, DS 200, minimum 9 additional s.h. in DS or ECON courses, and consent of School Director or Program Director. Graded S/U only.*

499 Individual Research in Business Analytics. (1–3, repeatable to 3) An independent research or study course on Business Analytics problems for selected students. *Prerequisites: junior or senior standing and consent of the School Director or Program Director. Graded S/U only.*

EARLY CHILDHOOD (ECH)

271 Introduction to Early Childhood Education. (3) An overview of early childhood care and education including historical and cultural perspectives, organization, structure, programming, and basic values in the field. Considerations for diversity of culture, language, race, social-economic status, gender, ethnicity, and ability will be included. *A minimum grade of C- is required of Teacher Education majors.*

273 Young Child Growth and Development. (3) A foundation course in theory and principles of the developmental continuum pre-natal through age 8, including an in-depth study of physical, social/emotional, cognitive, language, and aesthetic development; an exploration of child development within a socio-cultural context. *A minimum grade of C- is required of Teacher Education majors.*
IAI: ECE 912.

274 The Young Child as a Learner. (3) Children's acquisition of language, intellectual, and personality development. Relationship between children's growth and development, their activities outside and within social institutions. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or permission of School Director or Program Coordinator.*

277 Observation and Assessment in Early Childhood Education. (3) Intensive examination of informal, formal, developmentally appropriate assessment strategies for young children, birth through age 8, to identify and meet individual children's needs, including children in need of specialized services, plan curriculum, and communicate with parents, through administration practices. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: ECH 273.*

351 Science and Math for Young Children in Regular and Inclusive Settings: Birth to Preschool. (4) Methods and content for planning, implementing, and assessing science and math curriculum for young children, birth to preschool. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 271, 273, 274; fully accepted into Teacher Education Program (TEP). Corequisite: ECH 380.*

353 Methods for Teaching Social Studies & Creative Expression in Regular and Inclusive Settings: Birth to Preschool. (4) Methods and content for planning, implementing, and assessing social studies and creative expression curriculum when teaching young children, birth to preschool age. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 271, 273, 274; fully accepted into Teacher Education Program (TEP). Corequisite: ECH 380.*

354 Infant/Toddler Environment. (1–3, repeatable to 3) Characteristics of high-quality caregivers, curriculum, indoor/outdoor space, scheduling, and material selection to support infants' and toddlers' development within family and group settings. Course requirements include 36 hours of hands-on practicum in an infant/toddler classroom. *Prerequisites: ECH 273 and 277.*

355 Planning and Environment for the Pre-Primary Child. (1–3, repeatable to 3) This course focuses on the principles and practices of classroom design, scheduling, material selection, the concept and application of integration of all content areas into a cohesive curriculum, and program evaluation in pre-primary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 273 and 277.*

356 Planning and Environment for the Primary Child. (2) Principles and practices of classroom design, curricular integration, and material selection in kindergarten and the primary grades, including the effective use of technology and assessment to meet the needs of individual students. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 277; fully accepted into Teacher Education Program (TEP).*

357 Strategies to Support Social/Emotional Growth in Young Children. (2) Strategies that promote positive development of young children's interpersonal, dispositional, and behavioral skills as listed in various Illinois learning standards, birth–second grade. An overview of current behavior management systems as well as their legal aspects will also be covered. *Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP).*

359 Art and Movement for Children Ages 2–8 Years Old. (2) Focuses on planning for four areas of art (visual arts, drama, music, and dance/kinesthetic) and physical education/activity for children ages 2–8, incorporating how culture influences the arts, importance of environment, and adaptations to include all children. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: fully accepted into Teacher Education Program (TEP).*

380 Fieldwork in Early Childhood Education I. (1–3, repeatable to 6) Clinical experience in pre-primary early childhood settings. Students explore and apply learning theories and practices as they observe and participate in daily classroom activities/instruction. *Transportation not furnished. Prerequisite: fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.*

381 Fieldwork in Early Childhood Education II. (1–3, repeatable to 6) Clinical experience in primary grade early childhood settings. Students explore and apply learning theories and practices as they observe and participate in daily classroom activities/instruction. *Transportation not furnished. Prerequisites: ECH 380; fully accepted into Teacher Education Program (TEP). Materials charge for this course. Graded S/U only.*

410 Senior Seminar in Early Childhood. (0) Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. *Prerequisite: ECH 480. Corequisites: STCH 459 and 460. Graded S/U only.*

474 Early Childhood Assessment. (3) Intensive investigation of informal and formal assessment strategies including basic principles of measurement and evaluation, to plan educational experiences, communicate with parents, identify children in need of specialized services, and evaluate programs for young children from birth through eight years of age. The administration of some assessment instruments is required. *A minimum grade of C- is required of Teacher Education majors. Restricted: early childhood program or permission of School Director or Program Coordinator. Prerequisites: ECH 271, 273, 274, 380, fully accepted into Teacher Education Program (TEP).*

480 Fieldwork in Early Childhood Education III. (1–4, repeatable to 6) Clinical experience in pre-primary early childhood classrooms. Students work closely with mentor teachers in planning, implementing, and assessing instruction in all curricular areas. Student will complete a practice edTPA. *Transportation not furnished. Prerequisites: ECH 380 and 381; fully accepted into Teacher Education Program (TEP). Graded S/U only.*

481 Early Childhood Internship. (10–12) A culminating, 14-week, center-based clinical experience in the student's major area(s) of specialization under the supervision of a School faculty member and a senior teaching professional. *Transportation not furnished. Prerequisites: ECH 354 and 480. Graded S/U only.*

ECONOMICS (ECON)

100 Introduction to Economics. (3) (General Education/Social Sciences) Introduction to Economics with emphasis on application to contemporary social issues. Core concepts include price theories, money and banking, national income accounts, economic fluctuations and growth, and international economics, with special applications in criminal activity, health care, and environmental quality. *Not open to students with credit in ECON 231 and 232.*
IAI: S3 900.

170 The Global Economic Environment. (3) An introduction to exchange rates, balance of payments, trade barriers, trade agreements and economic unions, relevant international institutions, ethical considerations in international dealings, and related topics. Impacts on U.S. consumers and firms will be emphasized.

231 Principles of Macroeconomics. (3) (General Education/Social Sciences) An introduction to aggregate economics—monetary and banking institutions, national income theory, business cycles, government finance and taxation, and the international trade.
IAI: S3 901.

232 Principles of Microeconomics. (3) (General Education/Social Sciences) This course focuses on industrial and labor organizations, supply and demand, profit maximization under varying conditions of competition, and factor pricing.
IAI: S3 902.

310 Economics and Law. (3) An introduction into the economic analysis of the basic areas of law including property, contracts, torts, criminal law, and civil law. The purpose of the course is to examine legal rules using economic concepts and methods. *Prerequisite: one of the following courses—ECON 100, 231, 232; or consent of instructor.*

312 *(Cross-listed with AGEC 312)* Economics of Cannabis. (3) A detailed survey of the cannabis industry including market analysis, regulation options, the potential impacts on the U.S. economy, and a comparison to other regulated substances such as opioids, alcohol, tobacco, and pharmaceuticals. *Not open to students with credit in AGEC 312. Prerequisite: ECON 100, 231, or 232; or permission of instructor.*

315 Economics of Sport. (3) The application of economic tools and concepts to the business of sport. Emphasis on economic incentives as they apply to professional sports teams and leagues as well as public policy issues impacting professionals and college athletics. *Prerequisite: ECON 100 or 231 or 232.*

350 Economics of Poverty and Discrimination. (3) (Multicultural) Application of economic tools and concepts to the nature and causes of poverty with an emphasis on discrimination. Analyzes both economic characteristics of the poor and the public policies intended to alleviate poverty and discrimination. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ECON 100 or 231 or 232; ENG 180 and 280.*

351 Global Economic Poverty Issues. (3) (Multicultural) Economic principles will be utilized to define, examine, and analyze the scope and breadth of underlying poverty-related policy issues in both developing and developed countries. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisites: ENG 180 and 280; junior standing or 3 s.h. of ECON credit.*

381 Economic and Business Problem Solving. (3) An overview of problem-solving methods utilized in many upper-division business and Economics courses. *Prerequisites: ECON 232, MATH 123, and STAT 171.*

408 Economics for Decision-Makers. (3) This course develops the macro- and microeconomic concepts most useful to decision-makers. Topics covered include measures of aggregate economic activity, unemployment, inflation, business cycles, monetary policy, fiscal policy, international trade, market demand and supply, and alternate market structures. *Not open to students with credit in ECON 231 or 232. Cannot be used to meet the requirements for the B.A. in Applied Economics, a minor in Economics, or to meet the requirements in any B.B. degree. This course is designed for the Pre-MBA minor. Prerequisite: junior standing and STAT 171 with a C or better.*

409 Fundamentals of Intermediate Economic Theory. (3) An overview of the foundations of economic analysis. Focus is on developing the concepts and modeling techniques commonly found in intermediate level macro- and microeconomics, including those associated with consumer choice, firm theory, aggregate supply/demand, and financial markets. *Prerequisites: ECON 231, 232, and 381; or permission of instructor.*

430 *(Cross-listed with AGEC 430)* Environmental Economics. (3) This interdisciplinary course examines economic issues involving the interactions between humans and the environment. The course addresses conflicts in land, air, and water use and the role of assigned property rights and public policies in resolving environmental problems. *Not open to students with credit in AGEC 430. Prerequisite: ECON 232 or AGRI 220.*

433 Honors Readings in Economics. (1–3, repeatable to 3) *Prerequisite: consent of instructor. Graded S/U only.*

440 Labor Economics. (3) Understanding labor market dynamics using theory and empirical methods. Topics of focus include labor supply and demand, labor force composition and trends, human capital, wage differentials, migration, minimum wage, trade unions, and occupational licensure. *Prerequisites: ECON 231, ECON 232, and MATH 123; or consent of instructor.*

445 Game Theory and Economic Behavior. (3) Modeling strategic interaction and solving non-cooperative games across information environments with a focus on economic behavior. Applications include pricing strategies, choosing optimal locations, auctions, bargaining, and market entry. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

465 Economics of Energy. (3) A study of primary and secondary sources of energy as they affect the levels of production and consumption in the economy. A general survey of the economic and regulatory problems of coal, petroleum, natural gas, and nuclear industries (including those of utilities) and brief discussion of the problems and prospects of alternative sources of energy in the context of national energy policies and individual decision-making. *Prerequisite: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

471 International Monetary and Financial Economics. (3) Covering exchange rate determination, balance of payments, monetary and fiscal policy in open economics, global financial imbalances, exchange rate systems, and risk management. It also examines globalization's impact on corporate financial decision-making and strategies. *Prerequisites: ECON 381 and FIN 331; or consent of instructor.*

479 Microfinance in Action. (3) (Multicultural) An in-depth study on the role of microfinance in rural economies around the world. The course specifically examines the benefits generated by microfinance institutions with regard to countries' education, health, employment, tourism, agribusiness, finance, enterprise, and community development. *Prerequisites: ECON 231 and 232; or permission of instructor.*

487 Econometrics. (3) Extensions of the single equation regression model, estimation, and testing; multicollinearity, heteroskedasticity, and errors in variables; maximum likelihood estimation and binary response models; simultaneous equation models and estimation. Interpretation and application of econometric models and methods is emphasized. *Prerequisites: DS 303; ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

490 Introduction to Health Economics. (3) Application of basic Economics to the health care industry. Issues surrounding the economic relationships among providers, insurers, and consumers of health care are examined in terms of market structure, economic motives, financial costs, and social costs and benefits. *Prerequisites: ECON 232 and STAT 171; or permission of instructor.*

494 Internship. (1–12, repeatable to 12) Supervised employment experience with an approved employer/sponsor. *Only 3 hours per semester can be included in the major. For internships that are two semesters or more in length, and with approval of the School Director or Program Director, a maximum of 6 hours may be included in the major. Prerequisites: ECON 231, 232, one intermediate theory course, and consent of the School Director or Program Director. Graded S/U only.*

495 Current Economic Issues. (3) *Prerequisite: ECON 231, 232; senior Economics option or major status.*

496 Seminar in Economics. (1–3, repeatable to 9 for different topics) Each offering in the series provides students with an opportunity for intensive study in specialty topics within Economics. *Prerequisites: ECON 231, 232; ECON 381 or MATH 137; or consent of instructor.*

497 Senior Knowledge Assessment. (0) All majors are required to submit a completed skill development portfolio and complete the knowledge assessment examination prior to graduation. *Prerequisites: senior standing; B.A. or B.B. Economics major. Graded S/U only.*

499 Individual Research in Economics. (1–3, repeatable to 3) *Prerequisites: junior status and consent of the instructor. Graded S/U only.*

EDUCATION (EDUC)

239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established School criteria for admittance to TEP. *Graded S/U only.*

339 Pre-Student Teaching Clearance. (0) Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for School clearance to student teach. *Prerequisite: Full admittance to the Teacher Education Program (TEP). Graded S/U only.*

469 Pre-Licensure Clearance. (0) Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the School in order to be recommended for licensure. *Prerequisite: School clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U only.*

EDUCATIONAL STUDIES (EDS)

Courses transferred to Western Illinois University from other institutions need to be evaluated for equivalency. Evaluation forms are available in Horrabin Hall 99. Courses from two-year institutions are not accepted as satisfying 300/400 level courses.

100 Introduction to Educational Studies. (3) Introduction to out-of-school education settings. Students explore learning spaces like zoos/museums, early childhood centers, team sports, and nonprofit organizations, and how teaching and learning occurs in informal settings. Identification of career paths for educators outside the classroom.

110 *(Formerly C&I 110)* Critical Skills for Professional Educators. (2–3) Examines the development of an effective educator; including roles, responsibilities, and dispositions; and strategies for professional growth and reflection. Introduces the foundations of designing learning environments, effective use of technology, and instruction designed to meet the needs of diverse learners. *A minimum grade of C- is required of Teacher Education majors.*

121 Introduction to Life Span Development. (3) Growth and development of the individual throughout the life span and family life cycle within the context of the family and community. ***IAI: S6 902.***

201 Educational Psychology—Human Growth and Development. (3) Explores human growth and development from conception through adulthood, emphasizes relationship of developmental characteristics and experiences to the teaching/learning process. *Field experiences are required. Prerequisite: EDS 100.*

202 Multicultural and Social Foundations of Education. (3) (Multicultural) A study of the social, linguistic, and cultural factors that affect the educational experiences, practices, and environments in America. This course broadens students' understanding of the diverse pluralistic nature of the contexts that either enhance or negate one's educational experience. *A minimum grade of C- is required of Teacher Education majors.*

204 Diversity Issues in Educational Studies. (3) Surveys cultural and socioeconomic diversity issues in informal learning environments, including demographic change, access and equity concerns, stereotype threat, socialization to learning, and other relevant topics. *Prerequisite: EDS 100.*

220 *(Formerly ECH 276)* Family and Community Engagement. (2) Techniques for engaging and collaborating with families and communities to provide equal opportunities for learners, including strategies to build inclusive partnerships, communicate in culturally sustaining ways, and empower them to advocate for their learners' needs. *A minimum grade of C- is required of Teacher Education majors.*

301 Cognition, Development, and Motivation in Academic Settings. (3) An introduction to the state of knowledge in contemporary educational and developmental psychology as related to academic settings. Topics include cognitive processing, motivation, and physical, social, and emotional development. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: EDS 202.*

303 Classroom Management and Fieldwork in Academic Settings. (1, repeatable to 2) Introduction to understanding and analyzing the learning environment as it relates to classroom and behavior management. Students will participate in observations in off-campus educational settings (public, private, or title programs) as part of professional preparation in Teacher Education. *A minimum grade of C- is required of Teacher Education majors. Transportation not provided. Prerequisites: EDS 301; full acceptance into the Teacher Education Program (TEP).*

304 Fieldwork in Academic Settings II. (2, repeatable to 4) A continuation to analyzing the learning environment as it relates to classroom and behavior management. Students participate in observations and supervised practicums in off-campus educational settings (public, private, or title programs) as part of professional preparation in Teacher Education. *A minimum grade of C- is required of Teacher Education majors. Transportation not provided. Prerequisites: EDS 301; full acceptance into the Teacher Education Program (TEP). Candidates are required to have already completed a methods course or be concurrently enrolled in a methods course at the time of enrollment in EDS 304. Materials charge for this course.*

305 Measurement and Assessment of Learning in Academic Settings. (2) An introduction to the language and principles of assessment, measurement theory, and assessment-related issues (reliability, validity, etc.) within education grounded in a cognitive theoretical framework that views assessment as the integration of observation, interpretation, and cognition. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 202.*

306 Learning and Development in the Adolescent Grades. (3) An introduction to the state of knowledge in contemporary educational and developmental psychology as related to the adolescent's experience in academic settings. Topics include cognitive processing, motivation, and physical, social, and emotional development in the context of adolescence. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 202.*

310 Learning, Cognition, and Motivation in Educational Settings. (3) An introduction to the state of knowledge in contemporary educational psychology. Topics include contemporary perspectives on learning, cognition, human motivation, instructional planning, and instructional strategies. *Prerequisite: EDS 100.*

311 Assessment and Evaluation in Educational Settings. (3) An introduction to the language and principles of assessment, program evaluation, and research methodology within education. Emphasis placed on identifying, gathering, and interpreting meaningful sources of information/data for effective decision-making in educational settings. *Prerequisite: EDS 100.*

320 *(Formerly SPED 320)* Strategies to Support Social-Emotional Growth. (3) Examines learners' interpersonal, dispositional, and behavioral skills development from birth through adolescence; individual and group motivators; behavior management systems and their legal aspects; strategies for creating learning environments that promote positive social interaction and active engagement in learning. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: EDS 110.*

321 Preparation for Marriage and Family. (3) Study of factors associated with marital happiness and success including mate selection, changing roles in marriage through the life cycle, and adjustment to conflicts.

361 Field Study Abroad. (1–12) Field study project in international setting. The student submits a written report and fulfills other requirements set up by the instructor. *Prerequisite: enrolled in the English as a Second Language Education or Multilingual Education option of the Elementary Education major.*

401 Educational Law and Policy. (2) An analysis of formal legal and ethical problems that will allow students to critique contemporary debates in educational policy, law, and ethics. The course will examine the tension between competing philosophical theories and the construction and function of educational policy. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 301; full acceptance into Teacher Education Program (TEP).*

403 *(Formerly C&I 403)* Middle Level Education. (3) The middle school concept will be examined from multiple perspectives relative to the role of the teacher. Topics include advisory, thematic instruction across core content areas, exploratories, and instructional considerations for social, cognitive, and psychosocial development of adolescent students. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 301 or 306; fully accepted into Teacher Education Program (TEP); restricted permission of School Director or Program Coordinator.*

405 Designing/Managing Learning Environments. (3) Examines the elements that foster an effective learning environment. Emphasis is placed on strategies that promote student engagement and a sense of community in educational settings. *Prerequisites: prior or concurrent pre-student teaching instructional field experience, concurrent student teaching, or permission from the instructor.*

410 Senior Seminar in Education. (0) Provides students with an opportunity to complete required State or degree program assessments, or to meet with their Program Coordinator for discussion and completion of final paperwork. *Prerequisites: C&I 470 and fully accepted into Teacher Education Program (TEP); or permission of School Director or Program Coordinator. Corequisites: STCH 459, 460, 461, or 462; or permission of School Director or Program Coordinator.*

427 Foundations of Education for Multilingual Learners. (3) An introduction to the historical, political, social, and educational contexts that contribute to language education policies for multilingual learners nationally and internationally. *A minimum grade of C- is required of Teacher Education majors.*

428 English Language Learners and Bilingualism: Theory, Policy, and Practice. (3) (Multicultural) This course supports current and future educators in constructing a foundation of the critical elements in the education of ELLs that include: second language acquisition, culture and diversity, policies and law, ELL family involvement, language development standards, advocacy, and assessment. *Prerequisite: EDS 202 or permission of instructor; clinical experience of 15 hours.*

430 Methods and Materials for Teaching in Multilingual Programs. (3) Acquaints students with methodology and materials, preparation of content-based language instruction, lesson plans, behavioral, language and content objectives, and inquiry for teaching for the multilingual/ESL classroom. Portion of content presented in Spanish. All methods sections are for K–12 unless

otherwise specified. *A minimum grade of C- is required of Teacher Education majors.*

435 Cultural Studies in Education. (3) The study of culture, identity, and intercultural interaction in society/classrooms, with specific focus on anti-bias and anti-racist pedagogies combating discriminatory ideologies and social policies. *A minimum grade of C- is required of Teacher Education majors. Materials charge for this course.*

440 Sociolinguistics. (3) Exploration of foundational work in the field of sociolinguistics and current issues in the field. This course will emphasize the culture-language interface at the level of social relationships with special emphasis on educational settings. *Prerequisite: ANTH 110 or EDS 202 or equivalent.*

447 Teaching of Listening, Speaking, and Pronunciation to English Language Learners. (3) Students examine the articulation of English sounds, the rules that govern their use in speech, and explore ways of applying this knowledge to the teaching of pronunciation. Additional emphasis will be on teaching listening/speaking strategies in the TESOL environment. *Prerequisite: EDS 458.*

453 Assessment of Multilingual Students. (3) Selection, administration, and interpretation of measurement instruments. Description of testing; multicultural, bilingual, ESL, language competency tests; language proficiency/achievement testing; linguistic/cultural aspects of assessment; assessment in the classroom. Clinical experience of 20 hours required. *A minimum grade of C- is required of Teacher Education majors.*

457 Methods and Materials for Teaching English Language Learners. (3) Analysis of language learning processes of multilingual students. Strategies for teaching listening, speaking, reading, and writing; and techniques of teaching English as an additional language will be analyzed and practiced. All methods sections are grade levels K–12 unless otherwise specified. Clinical experience—15 hours required. *A minimum grade of C- is required of Teacher Education majors.*

458 Linguistics for the Teacher of Multilingual Learners. (3) The study of linguistics applied to teaching multilingual students. Includes English phonology, phonetics, morphology, syntax, linguistic analysis, and application of linguistic theories in the multilingual classroom. *A minimum grade of C- is required of Teacher Education majors.*

490 Educational Studies Internship. (3–12, repeatable to 12) Field experience provides for practical application of knowledge and theory in an approved setting that provides learning experiences/programs as part of their mission. Supervised work will focus on the educational aspects of the work of the facility or organization. *Prerequisites: junior or senior status, majoring in Educational Studies, all Core courses completed with an average of at least C (2.00) with no course below C- (1.67), and approval of School committee and Internship Coordinator.*

499 Special Problems in Education. (1–4, repeatable with no maximum) An independent study of a theoretical or applied problem in education. An opportunity for the undergraduate to broaden understanding and skills in the profession through research and experience.

ELEMENTARY EDUCATION (ELED)

410 Senior Seminar in Elementary Education. (1) Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. *Prerequisites: fully accepted into Teacher Education Program (TEP) and C&I 470. Corequisites: STCH 459, 460, 461, or 462. Graded S/U only.*

EMERGENCY MANAGEMENT (EM)

251 Emergency Medical Technician's Training IA. (5) Includes experiences designed to prepare persons who are responsible for giving emergency care to the sick and injured.

252 Emergency Medical Technician's Training IB. (4) May include sessions with paramedics, directors of ambulance services, respiratory therapists, and physicians; ten hours of hospital observation in an approved emergency room; and extrication exercise. *Satisfactory completion of EM 251 and 252 and recommendation of instructor results in student eligibility to take EMT state examination. Prerequisite: EM 251 or proof of current CPR certification, or permission of instructor.*

270 Disaster Management and Media. (3) The genre of disaster films and other mass media disaster coverage will be presented as case studies followed by in-class discussions which will allow for a critical analysis of the relationships between filmed images and disaster management.

276 Hazards and Disasters in Emergency Management. (3) Overview of the dynamic relationships between natural and technological hazards and disasters and associated requirements for mitigation, preparation, response, and recovery.

304 Principles of Emergency Management. (3) Presents the theories, principles, and approaches to emergency management. Philosophy of comprehensive emergency management will be discussed including mitigation, preparedness, response, and recovery. Role, duties, and importance of the emergency manager will be discussed. *Prerequisite: EM 276.*

305 Dimensions of Disaster. (3) Overview of empirical vs. theoretical approaches to disasters; human behavior in disaster, disaster myths; group disaster behavior; community social systems and disaster; cultures, demographics and disaster behavior distinctions, and contemporary disaster research. *Writing Instruction in the Disciplines (WID) course. Prerequisites: EM 304 and ENG 280, or permission of instructor.*

323 Emergency Preparedness and Response. (3) Concepts, theories, principles, programs, and requirements of emergency preparedness; governmental planning, practice, exercises; hazard and risk assessment; team building; case studies. Overview of the relationship of preparedness to response; emergency operations; incident command systems. National Incident Management System (NIMS), interoperability. *Prerequisite: EM 304.*

324 Legal Aspects of Emergency Management. (3) Introduction to federal, state, and local laws, regulations, and policies governing emergency management; history of statute development; significant legislation; federal, state, and local authorities and responsibilities. *Prerequisite: EM 304.*

360 Advanced Life Support Foundations. (2) Introduction to the Advanced Life Support (ALS) career field. Includes roles and responsibilities, Emergency Medical Services (EMS) components, well-being, illness and injury prevention, ethics, and medical and legal considerations. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 361 and 362.*

361 Advanced Life Support Patient Assessment. (2) Skills to take a proper history and perform an advanced physical assessment on an emergency patient and communicate the findings to the patient and others. Includes the physical exam, integrative and ongoing exams, communications, and documentation. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 360 and 362.*

362 Advanced Life Support Airway and Ventilation. (2) Techniques for establishing and/or maintaining a patient's airway. Also includes anatomy and physiology, age-specific techniques and procedures, introduction to respiratory pharmacology, and respiratory drug profiling. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 360 and 361.*

363 Pharmacology. (2) Elements of pharmacological agents and their administration. Includes basic pharmacological background and actions of drugs, regulations, human body systems, and pharmacokinetics. Also includes medications for patients in an emergency setting, and pharmacological mathematics. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 364, 365, and 366.*

364 Advanced Cardiac Care. (2) Introduction to the integration of pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease/injury based on 3-lead and 12-lead cardiac monitoring and interpretation. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 363, 365, and 366.*

365 Advanced Life Support Medical Emergencies. (3) Introduction to the utilization of assessment findings to formulate a field impression and implement the treatment plan for the medical patient. Includes respiratory, cardiovascular, neurological, endocrine, allergic, toxic, abdominal, urologic, environmental, behavioral, and gynecological emergencies. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 363, 364, and 366.*

366 Clinical Rotation ER and OR. (2) Introduction to Emergency Room and Operating Room procedures including IV access and endotracheal intubation. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 363, 364, and 365.*

367 Trauma. (2) Techniques to formulate a field impression and implement the treatment plan for the trauma or shock patient. Includes shock, burn injuries, and isolated and multi-systems trauma. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 368, 369, and 370.*

368 Pediatrics. (2) Techniques for emergency services for children. Integrates physiological, psychological, and social changes throughout human growth/development. Includes information on pediatric assessment, airway management and respiratory emergencies, and cardiovascular emergencies. Also includes information on neonatal emergencies, special healthcare needs, and SIDS. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 367, 369, and 370.*

369 Specialized Care. (2) Introduction to special medical consideration concepts. Includes utilizing assessment findings to formulate a field impression and implement the treatment plan for obstetric, neonatal, pediatric, geriatric, and chronic-care patients. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 367, 368, and 370.*

370 Advanced Medical Emergencies. (2) Advanced life support techniques using pre-hospital approaches to the recognition and intervention of medical emergencies related to toxicology, infectious disease, and hematology. Includes poisoning, drug overdose, and transmission of infectious diseases. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 367, 368, and 369.*

371 Advanced ALS Foundations. (2) Foundations of skills and principles in preparing to be a paramedic. Includes medical terminology, the human body structure, and pathophysiology. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 372, 373, and 374.*

372 Research. (1) Independent research in advanced pre-hospital care. Includes developing and writing an independent, applied research project, utilizing American Psychological Association (APA) style and format. Also includes exploration of current issues in Emergency Medical Services (EMS) or related subjects through research. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 371, 373, and 374.*

373 Field Internship I. (3) Introduction to the field internship. First 25 calls or 150 hours. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 371, 372, and 374.*

374 Field Internship II. (3) Ongoing field internship. Second 25 calls or 150 hours. *Prerequisites: EM 251 and 252 with EMT Certification. Corequisites: EM 371, 372, and 373.*

375 Capstone. (3) Final internship. 20 calls charged without assistance or 50 hours. *Prerequisites: EM 251 and 252 with EMT Certification.*

401 Hazard Mitigation and Disaster Recovery. (3) Concepts, theories, principles, programs, and requirements of pre- and post-disaster hazard mitigation; governmental planning and practice; hazard and risk assessment; team building; case studies; project development. Overview of disaster recovery programs and requirements; public and individual assistance; hazard mitigation relationships. *Prerequisite: EM 304.*

425 *(Cross-listed with HLTH 425)* Public Health Emergency Preparedness. (3) This course introduces students to how public health agencies prepare for and respond to public health emergencies. Topics include biosurveillance, crisis and emergency risk communication, and the Strategic National Stockpile. *Not open to students with credit in HLTH 425. Prerequisites: Junior standing; EM 304 or HLTH 211; or permission of instructor.*

441 Disaster Management. (3) This course addresses aspects of the response, mitigation, and recovery phases of the Disaster Life Cycle, to help rebuild communities' and individuals' resilience and quality of life after a disaster. *Prerequisites: EM 304 or permission of Instructor, School Director, or Program Director.*

460 Weapons of Mass Destruction in Public Health. (3) Provides an overview of weapons of mass destruction from the public health and emergency management perspectives. Examination of various forms of weapons of mass destruction and discussion of primary, secondary, and tertiary prevention practices facing future professionals is included. *Prerequisites: CHEM 101 and EM 304, or permission of instructor.*

461 Business and Industry Emergency Management. (3) Provides an analysis of governmental emergency management, legal requirements, employee and business disaster awareness and preparedness, public policy considerations, and coordination of community outreach. *Prerequisite: EM 304 or permission of instructor.*

465 Evacuation Planning and Response. (3) Focuses on emergency evacuation issues as a result of natural disasters and human intentional injuries. Students learn to develop proper evacuation techniques for a wide range of areas, such as public schools, colleges and universities, private buildings, and government institutions. *Prerequisite: junior standing or permission of Instructor, School Director, or Program Director.*

470 Comparative Emergency Management Systems. (3) Examines concepts, theories, principles, and requirements of emergency management systems: local, state, regional, federal, and global. Case studies of best practice exemplars will be explored. *Prerequisite: EM 304 or permission of instructor.*

477 Disaster and Fire Defense Planning. (3) Covers disaster and fire defense planning, and the interrelationship between those two areas. The concepts and principles of community risk assessment and regional and cooperative procedures and plans, and the relationship of structural, climatic, and topographical variables to group fires, conflagrations, and natural disasters will be discussed. *Prerequisites: permission of Instructor, School Director, or Program Director.*

478 Managerial Issues in Hazardous Materials. (3) The role of the fire service in planning for, responding to, and managing hazardous material incidents. *Prerequisite: permission of Instructor, School Director, or Program Director.*

480 Senior Comprehensive Exam. (0) A comprehensive exam administered to all seniors majoring in Emergency Management. *Prerequisites: senior standing. Graded S/U only.*

490 Emergency Management Internship. (9) Provides field work experience and knowledge in appropriate emergency management programs, under supervision of a qualified preceptor. *Prerequisites: approval of the Internship Coordinator, School Director, or Program Director, and a 2.25 GPA overall and a 2.50 GPA in the EM major at the time of application (semester prior to internship), and during internship. Internship application must be made during the first month of the semester prior to the actual internship (i.e., spring internship application made in September, summer/fall internship application made in January). Internship application is made by attending a mandatory internship meeting the semester prior to the internship. Corequisite: EM 491. Graded S/U only.*

491 Emergency Management Internship Summary. (3) The course consists of written exercises and projects designed to bring together all experiences acquired during the internship and academic program including events that played an important role in the academic or internship experience as it relates to student career pursuits. *Corequisite: EM 490.*

492 Honors Internship Project. (3) A significant written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: EM 490.*

499 Independent Study in Emergency Management. (1–4, repeatable to 4) Independent research study of an approved topic in emergency management. *Prerequisite: senior with Emergency Management major or minor, and permission of instructor.*

ENGINEERING (ENGR)

100 *(Cross-listed with ET 100)* Engineering Study and Seminar. (0, repeatable with no maximum) Facilitates learning for Engineering and Engineering Technology students attending a cohort study hall, seminars, and other engineering/technology events (attendance is required for some engineering scholarships). *Not open to students with credit in ET 100. Prerequisite: major in the School of Engineering and Technology. 3 hrs. lab. Graded S/U only.*

105 *(Cross-listed with ET 105)* Engineering Graphics. (3) An introduction to drafting including shape description, geometric construction, orthographic and isometric drawing, sectioning, dimensioning, and applied descriptive geometry. Basic dimensioning, tolerancing, and pictorial drawings will be covered. An introduction to computer based drafting. *Not open to students with credit in ET 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.* ***IAI: EGR 941.***

211 Engineering Statics. (3) The first course in Engineering Mechanics for engineers; mechanics of forces and force systems, static equilibrium, forces in structures and machines, friction, centroids, moments of inertia, radii of gyration, and virtual work are examined. *Not available to students who are currently enrolled in or have completed PHYS 310 or PHYS 312. Prerequisites: C or above in MATH 133 and PHYS 211. 3 hrs. lect.* ***IAI: EGR 942.***

212 Engineering Dynamics. (3) Kinematics, Newton's laws of motion, work-energy and impulse-momentum relationships, and vibrations applied to engineering systems. *Not available to students who are currently enrolled in or have completed PHYS 311 or PHYS 312. Prerequisite: C or above in ENGR 211. 3 hrs. lect.*

220 Computational Methods for Engineers. (3) Programming with MATLAB as a numerical computation tool to solve engineering problems. Covers how to apply the concepts learned in math, physics, and engineering courses to problem solving related to computationally intensive engineering applications. *Prerequisite or Corequisite: PHYS 211. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

251 Strength of Materials. (3) Introduction to stress and deformation analysis of basic structural materials subjected to axial, torsional, bending, and pressure loads. *Prerequisite: C or above in ENGR 211 or PHYS 310. 2 hrs. lect.; 2 hrs. lab.* ***IAI: EGR 945.***

271 Electrical Circuits I. (3) An introductory electrical circuits course for all engineering disciplines; provides comprehensive coverage of electronic theory, fundamentals, practices, and analysis and problem solving strategies for DC and AC circuitry, and RLC networks. Includes use of engineering software to simulate and analyze. *Prerequisites: C or above in MATH 231 and PHYS 213. 2 hrs. lect.; 2 hrs. lab.*

293 *(Cross-listed with ET 293)* Industrial Work Experience. (1–3, repeatable to 6) Industrial work experience in manufacturing, construction, or engineering in an approved industrial environment under the supervision of a University instructor and industrial supervisor. Completion of three 40-hour work weeks required for each semester hour of credit. *Not open to students with credit in ET 293. Prerequisites: major in the School of Engineering and Technology or permission of Instructor.*

300 Engineering Thermodynamics. (3) First and second laws of thermodynamics, equations of state for liquids and gases, heat and work transfer, phase equilibrium and change, mass and energy balance for control volumes, availability, exergy, power and refrigeration cycles; strategies for solving engineering problems. *Prerequisite: C or above in MATH 231. 3 hrs. lect.*

305 Transportation Engineering. (3) An application of science, mathematics, and engineering mechanics to the movement of material, people, and goods. The planning, forecasting, and impact of various modes of transportation are considered with emphasis on capacity, level of service, and economy. *Prerequisite: C or above in MATH 231. 2 hrs. lect.; 2 hrs. lab.*

307 *(Cross-listed with ACCT 307)* Accounting for Managers and Engineers. (3) Covers basic financial and cost accounting concepts and techniques. Emphasis is on the use of accounting information by managers and engineers for planning, controlling, and operating decisions. *Cannot be applied toward meeting the requirements for Accountancy major or minor or Engineering major without prior approval of the School Director or Program Director. Not open to students with credit in ACCT 201, ACCT 202, or ACCT 307. Prerequisite: junior standing.*

310 Fluid Dynamics. (3) Introduction to the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. *Prerequisite: C or above in ENGR 212 and MATH 333. 3 hrs. lect.; 1 hr. lab.*

320 Mechanical Design I. (3) Mechanical design including an overview of the design process, engineering mechanics, failure prevention under static and variable loading, bearings, transmission elements, lubrication, and characteristics of the principal types of mechanical elements. Includes use of engineering software to simulate and analyze. *Prerequisites: ENGR 105 and grade of C or above in ENGR 211 and 251. 3 hrs. lect.*

322 Mechanical Design II. (3) Kinematics and dynamics of machinery, including analytical kinematics, force analysis, cam design, and balancing. Application of elementary mechanics of solids to analyze and size machine components for stress and deflection. Finite-element analysis with emphasis on beam and plate models. *Prerequisite: C or above in ENGR 211, 212, 251, and 320. 3 hrs. lect.*

340 Manufacturing Engineering. (3) A comprehensive overview of the manufacturing process. Key concepts include production system structure and design, manufacturability, quality control, and the techniques, tools, and methods that organizations use to improve overall performance while meeting customer cost, performance, and delivery requirements. *Prerequisites: junior standing as an Electrical Engineering or Mechanical Engineering student; C or above in MATH 133 or MATH 137; and permission of School Director or Program Director. 3 hrs. lect.*

345 *(Cross-listed with ET 345)* Continuous Improvement: Quality. (3) The study of Continuous Process Improvement. Students will learn about PDCA/DMAIC models, fundamental quality tools, FMEA, minimizing variation through Statistical Process Control, process capability studies, reliability, VOC, layered audits, and performance metrics. *Not open to students with credit in ET 345. Prerequisite: sophomore standing. 3 hrs. lect.*

351 Engineering Material Science. (3) This course covers the use of materials in engineering designs including structures of polymers, metals, and ceramics; processes such as heat treatment and solidification; failure mechanisms in service and design techniques to avoid failures; and strategies for material selection. *Prerequisite: C or above in ENGR 251. 3 hrs. lect.*

360 Structural Analysis. (3) Modeling, analysis, and requirements for static design of trusses, frames, cable, and other common structural shapes including an introduction to light weight structures, use of computer analysis methods and other tools. *Prerequisite: C or above in ENGR 251. 3 hrs. lect.*

370 Microelectronics I. (3) An electronics course for interdisciplinary engineers dealing with the design, analysis, and strategies for using OpAmps, semi-conductor devices in both analog and digital power electronics, communications systems, sensor systems, and electric power applications as part of a Mechatronic System. *Prerequisite: C or above in ENGR 271. 2 hrs. lect.; 2 hrs. lab.*

371 Signals and Systems. (3) This course covers the study of signals and systems in continuous and discrete time. It constitutes the basic theory of communication systems, control systems, signal processing, and almost all disciplines of electrical and computer engineering. *Prerequisites: C or above in ENGR 271, MATH 311, and MATH 333. 3 hrs. lect.*

372 Engineering Probability and Stochastic Processes. (3) This course covers the fundamentals of basic probability theory, random variables, and random processes to provide analysis techniques for stochastic systems. Introduction of multivariate random variable principles, random processes, and characterization of random phenomena in engineering applications. *Prerequisites: C or above in ENGR 271, MATH 311, and MATH 333. 3 hrs. lect.*

373 Linear Control Systems. (3) The design and analysis of control systems using transfer function-based methods. Topics include modeling of physical systems as transfer functions, stability analysis, design specifications, design of controllers by Root Locus, frequency response techniques, and computer-aided analysis and design. *Prerequisite: C or above in ENGR 371. 3 hrs. lect.*

374 Electrical Circuits II. (3) Comprehensive coverage of AC power, three-phase circuits, magnetically coupled circuits, Laplace Transform and applications, Fourier Series, and Fourier Transform. Use of engineering software to simulate and analyze circuits. *Prerequisite: C or above in ENGR 271. 3 hrs. lect.*

375 Electric Machines. (3) Magnetic circuits, transformers, magnetic energy, force/torque and heat dissipation, DC/AC machines/circuits, torque analysis, and power efficiency. Three-phase transformers, synchronous and induction machines, per unit system, and power distribution, including laboratories in transformers and DC/AC machines. *Prerequisite: C or above in ENGR 374. 2 hrs. lect.; 2 hrs. lab.*

405 Highway Engineering. (3) A study in road and highway elements including location, geometrics, drainage, materials, pavements, signage, and traffic controls. *Prerequisite: C or above in ENGR 305. 3 hrs. lect.*

410 Intermediate Thermo-Fluid Dynamics. (3) Differential equation form of the conservation of mass, momentum, and energy applied to internal flows, boundary layers, lift-drag, and open channel flows. Applications include turbomachinery, gas-vapor mixtures, psychrometrics, combustion, and compressible flow. *Prerequisite: C or above in ENGR 310. 2 hrs. lect.; 2 hrs. lab.*

411 Heat Transfer. (3) Fundamentals of engineering heat transfer. Steady and transient heat conduction in solids. Finned surfaces. Numerical solution techniques. Forced and free convection, condensation, and boiling. Design and analysis of heat exchangers. Radiation heat transfer. Problems in combined convection and radiation. *Prerequisite: C or above in ENGR 300. 2 hrs. lect.; 2 hrs. lab.*

412 Hydrology. (3) An introduction to the hydrologic cycle, Concepts and principles of water flow are developed into techniques to solve hydrologic problems; analysis of precipitation, evaporation, transpiration, infiltration, groundwater flow, surface runoff, and streamflow is covered. *Prerequisite: C or above in ENGR 310. 3 hrs. lect.*

430 Power Electronics. (3) Introduces power semiconductor devices and circuits, AC/DC converters, thyristors and commutation techniques, phase-controlled rectifiers, choppers and inverters, AC voltage controllers, and cycloconverters. Covers power electronic devices, such as IGBT and power MOSFET, and some industrial applications with laboratory. *Prerequisite: C or above in ENGR 370. 2 hrs. lect.; 2 hrs. lab.*

431 Electrical Energy Systems. (3) Introduction to generation, transmission, and distribution of electrical energy, analysis and design of three-phase circuits, representation of power systems and per unit normalization, symmetrical components, stability, and unsymmetrical faults. Computer-aided problem-solving and analysis are included. *Prerequisite: C or above in both ENGR 220 and 375. 3 hrs. lect.*

440 Additive Manufacturing. (3) An introduction to additive manufacturing processes such as powder bed fusion, direct energy deposition, extrusion, photopolymerization, material jetting, and binder jetting. An overview of additive manufacturing software, design, and applications is also incorporated. *Prerequisite: C or above in ENGR 105 and C or above in ENGR 351, or permission of Instructor and/or School Director or Program Director. 3 hrs. lect.*

452 Geotechnical Engineering I. (3) An introduction to soil mechanics and geotechnical engineering. Topics covered include the origin of soil, definition of soil properties, phase relationships, soil classification, compaction, seepage, subsurface stress, settlement, and 1-D consolidation. *Prerequisites: C or above in ENGR 251, 310, and MATH 333. 2 hrs. lect.; 2 hrs. lab.*

453 Geotechnical Engineering II. (3) Introduction to shear strength based analysis of foundations and structures in geotechnical engineering. Topics covered include bearing capacity and settlement of shallow foundations, deep foundations, earth retaining structures and slope stability; testing and analysis of soil for shear strength. *Prerequisite: C or above in ENGR 452. 2 hrs. lect.; 2 hrs. lab.*

457 *(Formerly ENGR 331) (Cross-listed with SCM 457)* Project Management. (3) Presents concepts, steps/techniques required to select, organize, staff, manage, and deliver successful projects. Topics include managing innovation, change, cross-functional teams, and applying critical thinking to meet outcomes/objectives. Aligns with the Project Management Institute's CAPM and PMP certifications. *Not open to students with credit in SCM 457. Prerequisite: SCM 311 or MGT 349 or ENGR 211 or permission of instructor.*

460 Structural Steel. (3) Analysis of structural steel elements using the LRFD (load and resistance factor design) methodology to resist the action of axial, shear, bending, and combined stresses; includes stability of structural elements and connections, and use of modern engineering software. *Prerequisite: C or above in ENGR 360. 2 hrs. lect.; 2 hrs. lab.*

461 Reinforced Concrete. (3) This course covers the analysis and fundamentals of reinforced concrete members using current standards including analysis of members for flexure, shear, and axial forces; serviceability criteria, bond and development length considerations; use of modern engineering software. *Prerequisite: C or above in ENGR 360. 2 hrs. lect.; 2 hrs. lab.*

470 Mechatronics I. (3) Mechatronics is the integration of mechanical, electrical, computer control, and systems dynamics design engineering. This course brings together all previous instruction in structures, mechanisms, electronics, programming, and design and makes use of modern integrated software to design a mechatronic system. *Prerequisites: C or above in ENGR 212, 220, and 370. 2 hrs. lect.; 2 hrs. lab.*

471 Microelectronics II. (3) This course covers analysis and design of microelectronic devices and circuits with industrial applications. Devices and circuits will include: digital, single-ended, linear amplifiers, and other integrated circuits. *Prerequisite: C or above in ENGR 370 or permission of the instructor. 3 hrs. lect.; 1 hr. lab.*

472 Mechatronics II. (3) This course is a continuation of ENGR 470 and involves the design, fabrication, and demonstration of a novel practical mechatronic system. *Prerequisite: C or above in ENGR 470 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

473 Industrial Controls. (3) This course will emphasize basic to advanced knowledge of methods used in industry to deliver, control, and monitor electrical devices. Course content will focus upon understanding and creating wire diagrams, selection of electrical devices and programmable logic devices applications. *Prerequisite: C or above in ENGR 373 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

474 Renewable Energy. (3) Introduction to distributed energy resources and renewable energy systems with emphasis on technology and application. Comparison of fossil fuel to renewable energy such as solar, biomass, wind, geothermal, and hydroelectric. Discussions on Net Present Value and Life Cycle Cost analysis. *Prerequisite: C or above in ENGR 271. 3 hrs. lect.*

480 Microgrids. (3) Introduction to the electricity grid and power grid modernization, microgrid (MG) concepts, state-space representation, data quality framework, state-space representation of a droop-based MG, hierarchical control and operation, networked MGs, MG controller, and MG protection. *Prerequisite: C or above in ENGR 431. 3 hrs. lect.*

481 Finite Element Analysis. (3) The finite element method and its application to engineering problems: truss and frame structures, linear elasticity, plane stress and plane strain, axisymmetric elements, isoparametric formulation, heat conduction, transient analysis; use of commercial software; overview of advanced topics. *Prerequisites: C or above in ENGR 300 and 351, and C or above in either ENGR 320 or 360. 2 hrs. lect.; 2 hrs. lab.*

482 *(Cross-listed with ET 482)* Parametric Modeling. (3) The application of computer aided design techniques utilizing industrial software within a minicomputer and workstation environment. *Not open to students with credit in ET 482. Prerequisite: ET 207. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

490 Engineering Senior Project. (1–3, repeatable to 4 in two consecutive semesters) Students complete an assigned and/or industry sponsored engineering project that is open ended and requires research, analysis, decision making, data interpretation, the reporting of results, and a final presentation. Team building, communication, and critical thinking are emphasized. *Writing Instruction in the Disciplines (WID) course. Prerequisites: only available to majors in the School of Engineering and Technology. C or above in all required Math, Science, and core courses (except for ENGR 491); approval of the instructor. To be taken in the final semester (two semesters if repeated) of student's Engineering Emphasis of Study. Arranged. Laboratory charge for course.*

491 Engineering Internship. (2) Off-campus work experience in engineering. Written weekly reports and copies of all projects, analysis, and other work are required. Recommend completion before entering last term on campus. *Prerequisites: senior standing, a minimum GPA of 2.000, a minimum GPA of 2.00 from courses completed within the major, and permission of Program Director. Graded S/U only.*

492 Independent Study. (3, repeatable to 6) Investigation of a specific engineering topic enabling students to advance in their degree plan, or focus on a specialized discipline, process, or problem. *Prerequisites: permission of the Instructor and the School Director or Program Director. 3 hrs. lect.*

ENGINEERING TECHNOLOGY (ET)

100 *(Cross-listed with ENGR 100)* Engineering Study and Seminar. (0, repeatable with no maximum) Facilitates learning for Engineering and Engineering Technology students attending a cohort study hall, seminars, and other engineering/technology events (attendance is required for some engineering scholarships). *Not open to students with credit in ENGR 100. Prerequisite: major in the School of Engineering and Technology. 3 hrs. lab. Graded S/U only.*

105 *(Cross-listed with ENGR 105)* Engineering Graphics. (3) An introduction to drafting including shape description, geometric construction, orthographic and isometric drawing, sectioning, dimensioning, and applied descriptive geometry. Basic dimensioning, tolerancing, and pictorial drawings will be covered. An introduction to computer based drafting. *Not open to students with credit in ENGR 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*
IAI: EGR 941.

207 Geometric Modeling. (3) Principles and techniques of basic computer aided drafting and the application of software to produce two-dimensional and three-dimensional drawings and designs. *Not open to students with credit in ENGR/ET 482. Prerequisite: ENGR/ET 105. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

241 Manufacturing Processes. (3) An introduction to production processes in manufacturing industries. Laboratory assignments will involve processing plastic and composite materials, along with welding and casting of metals. *Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

261 Machine Tool Production. (3) The theory and operation of machine tools and precision measuring instruments. Laboratory assignments will involve material removal processes. *Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

293 *(Cross-listed with ENGR 293)* Industrial Work Experience. (1–3, repeatable to 6) Industrial work experience in manufacturing, construction, or engineering in an approved industrial environment under the supervision of a University instructor and industrial supervisor. Completion of three 40-hour work weeks required for each semester hour of credit. *Not open to students with credit in ENGR 293. Prerequisites: major in the School of Engineering and Technology or permission of Instructor.*

320 *(Cross-listed with CSTM 320)* Professional Preparation. (3) Prepare and enable students to gain skills and experiences with the professional internship search process and career success. Topics include cover letters, resume preparation, networking, job-searching, interviewing, professional business communications, presentations, and industry-appropriate correspondences specific to the major. *Not open to students with credit in CSTM 320. Prerequisites: any ENGR, CSTM, or ET major or minor; sophomore standing or permission of instructor. Activity charge for course.*

344 Continuous Improvement: Lean Practices. (3) Comprehensive study of non-value-added practices, their financial impact, and techniques/tools used to reduce or eliminate them. Lean principles are emphasized. Includes 5S, Kanban and supermarket systems, Poka Yoke, Value Streams, setup reduction, Visual Control, and corrective action. *Prerequisite: sophomore standing. 3 hrs. lect.*

345 *(Cross-listed with ENGR 345)* Continuous Improvement: Quality. (3) The study of Continuous Process Improvement. Students will learn about PDCA/DMAIC models, fundamental quality tools, FMEA, minimizing variation through Statistical Process Control, process capability studies, reliability, VOC, layered audits, and performance metrics. *Not open to students with credit in ENGR 345. Prerequisite: sophomore standing. 3 hrs. lect.*

346 Facilities Design. (3) This course covers manufacturing facilities design and material handling. The course will focus on facilities design, equipment, production flow analysis, cost justification, and material handling systems. Students will be involved in case studies, economic models, and problem solving of manufacturing systems. *Prerequisite: sophomore standing. 3 hrs. lect.*

356 *(Cross-listed with CSTM 356)* Introduction to Power Systems. (3) A study of electrical, hydraulic, and pneumatic power systems. Emphasis upon structural and behavioral characteristics of components used in the generation, transmission, and control of power systems used in contemporary industry. *Not open to students with credit in CSTM 356. Prerequisite or Corequisite: PHYS 114 or 115 or 150 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

363 Geometric Dimensioning, Tolerancing, and Metrology. (3) An introduction to the development and practices of dimensional control of industrial drafting as specified by the ANSI standard and the study and application of precision measurement in manufacturing. *Prerequisite: ET 105 and 261 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

367 Computer Numerical Controlled Machining. (3) Introductory and advanced applications of numerically controlled machines. Laboratory experiments will include both off line and machine programming of CNC mills and lathes. *Prerequisite: ET 261 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

403 Design and Prototype Development. (3) Engineering and technology research, design, and development strategies are emphasized to develop the creativity, critical thinking, and innovation skills necessary to generate new products, identify product ideas, and design, develop, test, analyze, and successfully fabricate a prototype. *Prerequisites: ET 207 and 241; or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

446 Material Science. (3) The study of metallurgy, plastics, and ceramics with emphasis on properties, structure, testing, and heat treatment for the design, manufacture, and failure analysis of materials. Stress, strain, and deformation tests will be included. *2 hrs. lect.; 2 hrs. lab.*

448 Construction and Industrial Safety. (3) A study of the Federal OSHA Act as it applies to both industry and construction. Beyond federal regulations, the course includes accident prevention plans, safety education, and documentation preparation. *Prerequisites: any ENGR, CSTM, or ET major or minor; and sophomore standing. 3 hrs. lect.*

455 Engineering Technology Seminar. (1–3, repeatable to 3 for different topics) Each offering provides students with an opportunity for intensive study in specialty topics reflective of the variety in Engineering Technology. *Prerequisite: junior standing or permission of instructor. Graded S/U only.*

468 Computer Aided Manufacturing (CAM) Machining. (3) The study and application of graphics and language based CAM systems for 2½D machining and 3D surfacing on numerically controlled machines, including cellular production team projects. *Prerequisites: ET 207 and 367, or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

477 Programmable Control and Data Acquisition. (3) A study of programmable logic and data acquisition control systems used to monitor and update facilities, machines, and equipment. Topics include signal conditioning; A-D conversions; RLL, drum and stage processes. *Prerequisite: ET 241. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

481 Robotics Systems. (3) A comprehensive study of the mechanics, electronic, and computer technologies required to design and implement

robotic systems. *Prerequisites: PHYS 114 or permission of instructor. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

482 *(Cross-listed with ENGR 482)* Parametric Modeling. (3) The application of computer aided design techniques utilizing industrial software within a minicomputer and workstation environment. *Not open to students with credit in ENGR 482. Prerequisite: ET 207. Laboratory charge for course. 2 hrs. lect.; 2 hrs. lab.*

492 Independent Study. (1–3, repeatable to 6) Selection, exploration, and solution of a problem in an area of Manufacturing Engineering. *Prerequisites: senior college standing, 26 s.h. or ET coursework, and permission of School Director or Program Director. GPA requirement of 2.50 in major.*

493 Internship. (3–12 in 3-hour blocks, repeatable to 12) Off-campus work experience in manufacturing. Written weekly reports required. *Writing Instruction in the Disciplines (WID) course. Recommend completion before entering last term on campus. A maximum of 9 s.h. may be applied toward major requirements. Prerequisites: junior/senior standing; prerequisites as related to the student's technology option selected; ENG 280. A minimum GPA of 2.00, a minimum GPA of 2.00 from courses completed within the major, and permission of School Director or Program Director. Graded S/U only.*

ENGLISH (ENG)

100 Introduction to Writing. (3) Introduction to writing as a social act with emphasis on developing flexible reading and writing processes for a range of genres. Offers guidance and practice for those who need additional preparation for college level writing. *Cannot be applied toward the English major or the minors in Creative Writing, English, Film, Professional Writing, or Queer Studies. Designated sections taught in computer labs. Not open to students with credit in ENG 180 or 280 with a grade of C or above. Graded A, A-, B+, B, B-, C+, C, or U.*

180 College Writing I. (3) (General Education/Communication Skills) Study and practice of writing as a social act with emphasis on rhetoric and genre. *Cannot be applied toward the English major or the minors in Creative Writing, English, Film, Professional Writing, or Queer Studies. All sections taught in computer labs. Graded A, A-, B+, B, B-, C+, C, F, or U.*
IAI: C1 900.

195 Introduction to Literature. (3) (General Education/Humanities) An introduction to outstanding works of prose, poetry, and drama which emphasizes the development of the reader's interpretive skills. The course is designed to promote an appreciation of excellence in literature. *For non-English majors.*
IAI: H3 900.

200 Introduction to Poetry. (3) (General Education/Humanities) Reading and discussion of poetry from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.
IAI: H3 903.

201 Introduction to Fiction. (3) (General Education/Humanities) Reading and discussion of prose fiction from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.
IAI: H3 901.

202 Introduction to Drama. (3) (General Education/Humanities) Reading and discussion of plays from around the world and spanning more than a century, introducing students to questions of social justice and methods of interpretation.
IAI: H3 902.

205 Introduction to Shakespeare. (3) (General Education/Humanities) Reading and discussion of selected plays, with emphasis on modern methods of interpretation. *For non-English majors.*
IAI: H3 905.

206 Issues in U.S. Literature. (3) Reading and discussion of important works of American literature from several historical periods, with emphasis on their relation to American society and culture.

280 College Writing II. (3) (General Education/Communication Skills) Continued, advanced study and practice of writing as a social act with emphasis on disciplinary and professional contexts, rhetorical genre, and discourse community. *Cannot be applied toward the English major or the minors in Creative Writing, English, Film, Professional Writing, or Queer Studies. Designated sections taught in computer labs. Prerequisite: ENG 180. Graded A, A-, B+, B, B-, C+, C, F, or U.*
IAI: C1 901R.

281 Digital Writing and Multimedia Texts. (3) This course explores writing as social action and engages students in writing persuasively for public settings. Students will analyze and produce collaborative print and digital texts.

285 Introduction to Creative Writing. (3) An introductory course for students who wish to explore various forms of poetry and short-fiction writing. *ENG 285 or consent of instructor is prerequisite for ENG 385, 386, 485.*

290 *(Cross-listed with BC&J 290)* Introduction to Film. (3) (General Education/Fine Arts) Screening and discussion of films from around the world, introducing students to selected traditions, questions of social justice, and methods of interpretation (with laboratory). *Not open to students with credit in BC&J 290.*
IAI: F2 908.

299 Critical Methods of Reading and Writing. (3) Introduction to basic forms and conventions of critical writing, strategies of interpretation, and theoretical issues in literary studies. *Prerequisites: ENG 180.*

300 Short Story. (3) The analysis of short stories in light of the elements of fiction (plot, character, conflict, points of view, symbolism, theme, and authorial and narrative strategies). May include consideration of forms ranging from flash fiction to the novella.

301 *(Cross-listed with WS 301)* Women and Literature. (3) (Multicultural) The study of literature as an art practiced by women, with an

examination of portrayals of women in literature. *Not open to students with credit in WS 301.* ***IAI: H3 911D.***

302 Popular Forms of Literature. (3) Studies in selected popular forms of literature. Topics may include forms such as detective fiction, science fiction, westerns, horror, romance, adventure, or thrillers. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

303 Forms of New Media Literature. (3) Studies in forms of new media literature, including forms such as digital literature, graphic novels, video games, and/or other literary forms which experiment with medium. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

304 Poetic Forms. (3) Study of a major form of poetic expression. May include a single genre (e.g. epic or lyric), or individual forms (e.g. sonnet or ode). The course will also address both the technical vocabularies and major concepts of poetics. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

305 Non-Fiction Forms. (3) Study of one or more of the forms of non-fiction writing such as autobiography, diary, essay, epistolary, or non-fiction movements such as the New Journalism or creative non-fiction. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

306 Forms of the Novel. (3) An intensive study of one or more of the forms of the novel. Topics may include the epistolary, picaresque, gothic, or other forms. The course will also address narratology and major critical approaches to the novel. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

307 *(Cross-listed with WS 307)* Issues for Women Writing. (3, repeatable to 6 for different topics) Reading, discussion, and writing focused on a particular social, cultural, or personal issue related to how and what women write. *Not open to students with credit in WS 307. Prerequisite: ENG 299 or WS 190, or consent of instructor.*

311 Studies in Medieval British Literature. (3) Studies of selected British literary works from the beginnings to about 1500, with the Old English and more difficult Middle English texts read in translation. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

314 Shakespeare. (3) A study of the major comedies, histories, and tragedies of Shakespeare and his contemporaries in the historical, cultural, intellectual, and theatrical contexts in which they were written. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

319 Studies in Nineteenth-Century British Literature. (3) Investigates those qualities, issues, and forms which distinguish nineteenth-century British writers from their predecessors and which inform the literature of their successors. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

328 Survey of British Literature. (3) Study of major historical periods of British literature by means of representative literary types, texts, and authors, and predominant genres. *Prerequisite/Corequisite: ENG 299.*

331 Studies in Nineteenth-Century American Literature. (3) Investigates the development of a distinctive American literature against the background of the cultural changes in an expanding nation. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

333 *(Cross-listed with BC&J 333)* The Hollywood Studio System: Structure & Process. (3) Analysis of the American film industry, with an emphasis on the structure of the studio system. Comparison of the historical period with the current corporate structure of the industry. *Does not count for the Broadcasting and Journalism minor. Not open to students with credit in BC&J 333. Prerequisite: ENG/BC&J 290.*

337 Contemporary American Literature. (3) Study of contemporary American fiction, poetry, non-fiction, drama, and film, emphasizing recent formal and thematic trends. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

338 Survey of American Literature. (3) Study of major historical periods of American literature by means of representative literary types, texts, and authors, and predominant genres. *Prerequisite/Corequisite: ENG 299.*

345 *(Formerly ENG/AAS 245) (Cross-listed with AAS 345)* Survey of African American Literature. (3) (Multicultural) A literary and cultural introduction to the study of African American writers, organized chronologically, but with special emphasis on the twentieth century. *Not open to students with credit in AAS 345. Prerequisite: ENG 280.*

346 *(Cross-listed with AAS 346)* African American Fiction. (3) A survey of selected African American short stories and novels from the beginning to the present, from Brown, Johnson, and Toomer to Ellison, Baldwin, Morrison, and beyond. *Not open to students with credit in AAS 346. Prerequisite: AAS/ENG 345, or ENG 299 with a grade of C or better, or consent of instructor.*

347 The Novel in Context. (3) Study of the novel in light of a particular context such as literary movements, social conditions, an award (Booker, Pulitzer, etc.), or political issues. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

348 Ethnic Literatures of the United States. (3) (Multicultural) Study of literary texts, authors, and genres from various ethnic groups in the U.S. Examinations of culturally specific and cross-cultural questions including issues of race, class, and gender. *Prerequisite: ENG 280 or consent of instructor.*

350 Postcolonial Literature. (3) (Multicultural) A study of texts that address the experiences of empire by writers from countries with a history of colonialism or works by writers who have migrated from formerly colonized countries. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

352 Survey of World Literature. (3) Study of representative literary types, texts, and authors, and predominant genres from a range of cultures, both Western and non-Western. *Prerequisite/Corequisite: ENG 299.*

353 Great Books. (3) Study of selected literary masterpieces, from the ancient Greeks through the present: European epics, drama, lyric poetry, and prose in English translation. ***IAI: H3 906.***

354 *(Cross-listed with AAS 354)* African Americans in American Film. (3) Analysis of the representation of African Americans in American films as a way to consider how imagery affects society's attitudes about race. Films from early 20th century depictions of mammies to the 1990s hip-hop sagas will be examined. *Not open to students with credit in AAS 354. Prerequisite: AAS 100 or consent of instructor.*

355 Myths, Legends, and Literature. (3) A literary study of myths and legends, with special emphasis on European myths and legends and their relationship to literature.

356 Forms of Biblical Literature. (3) A study of the literary variety of the Testaments, including Biblical history, lyric poetry, biography, and letters, among other forms.

357 Nation and Literature. (3) (Multicultural) The study of literature by writers of a particular nation (or related nations) with special attention to that nation's identity, history, cultural traditions, and international relations. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

358 Studies in Non-Western Literature. (3) (Multicultural) Study of selected literary works (in English translation) from developing countries, with attention to their distinctive forms and viewpoints.
IAI: H3 908N.

359 LGBT Topics in Literature. (3) Examines sexual diversity and representations of sexuality in American, British, and/or World Literature and culture, with specific attention to lesbian, gay, bisexual, and transgender topics. Introduce students to queer studies and queer theoretical understanding of literature. *Prerequisite: ENG 180.*

363 Cannabis in Popular Culture. (3) This course examines representations of cannabis in popular literature, film, and television text. It focuses on changing representations of cannabis in popular culture. *Prerequisite: ENG 180.*

366 Reading Instruction in Content Areas. (2) This course addresses instructional reading strategies for secondary school content area classrooms. It focuses on reading and literacy instruction, design and selection of content-specific reading materials, creating course content to meet learner needs, and formal and informal reading assessment. *Prerequisites: EDS 202 and EDS 301.*

368 Studies in Literary Theory. (3) Studies in selected works of literary theory. This course may focus on specific themes or topics such as structuralism, hermeneutics, deconstruction, queer theory, or disability studies. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

370 Rhetorical Grammar. (3) Use a rhetorical framework to study grammatical and discourse structures and apply them to students' own writing. *Prerequisites: ENG 180 and 280, or permission of instructor.*

372 The English Language in Historical and Social Contexts. (3) Origins and varieties of the English language and its acquisition. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

376 Professional Development Workshop. (3) Students prepare application materials for internships, jobs, or further schooling, a portfolio of writing, and an essay that articulates personal and professional goals. Students will also take part in workshops for career and/or educational opportunities for English majors. *Prerequisite: junior standing.*

380 Introduction to Professional Writing. (3) Focus on the roles disciplinary structures play in reading and writing. Topics will include rhetorical genre theory, writing research, audience analysis, and the craft of writing. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisites: ENG 180 and 280, or permission of instructor.*

381 Technical Communication. (3) Developing informative, reader-centered technical communication. Writing, testing, and revising common genres and styles. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisites: ENG 180 and 280, or permission of instructor.*

382 Book Reviewing and Non-Fiction Literary Writing and Editing. (3) Students will learn book reviewing, interviewing authors, and writing other non-fiction literary stories. Students will read prestige press book reviews and edit and publish their own work using content management systems (CMS) in English program publications. *Prerequisite: ENG 180.*

384 Teaching Writing in Middle and High Schools. (3) An advanced writing course designed primarily for English education majors and minors; a study of the rhetorical process, practice in writing essays, and consideration of teaching composition. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280.*

385 Writing Workshop: Poetry. (3) Further work in the writing of poetry. *Prerequisite: ENG 285 or consent of instructor.*

386 Writing Workshop: Fiction. (3) Further work in the writing of fiction. *Prerequisite: ENG 285 or consent of instructor.*

387 Writing Workshop: Nonfiction. (3) Work in the writing of literary nonfiction. *Prerequisites: ENG 180 and 280, or consent of instructor.*

388 Writing for the Web. (3) Theory and practice in writing for the demands of the web: brief, modular, visually oriented, and accessible. *Prerequisite: ENG 180 and 280, or consent of instructor.*

389 Film Theory and Criticism. (3) Study of various critical approaches to film and an exploration of the theories informing these approaches (with laboratory). *Prerequisite: ENG/BC&J 290 or consent of instructor.*

390 *(Cross-listed with BC&J 390)* Film History. (3) This course is an historical survey that covers the international history of cinema from its origins to the present. It considers issues including the development of national film industries, national and international film movements, and the social history of film (with laboratory). *Not open to students with credit in BC&J 390. Prerequisite: ENG/BC&J 290 or consent of instructor.*

392 National Cinemas. (3) (Multicultural) An intensive study of selected national cinemas, concentrating on how different nations have developed film industries and how these films have affected national identities. *Prerequisite: ENG/BC&J 290 or consent of instructor.*

393 American Film Genres. (3) Study of American film genres including Westerns, gangster and detective films, musicals, horror and science fiction films, melodramas, and comedies (with laboratory). *Prerequisite: ENG/BC&J 290, ENG 299 with a grade of C or better, or consent of instructor.*

394 *(Cross-listed with BC&J 394)* Documentary Film and Video. (3) History of documentary film and video with focus on the documentary as a medium of communication, information, and interpretation (with laboratory). *Not open to students with credit in BC&J 394.*

395 Film and Literature. (3) Selected literary works and their film adaptations will serve as the basis for the comparative analysis of the different aesthetics of literature and film (with laboratory). *Prerequisite: ENG/BC&J 290 with a grade of C or better, ENG 299 with a grade of C or better, or permission of instructor.*

400 Topics in Literature. (1–3, repeatable for different topics) A study of a special theme or topic in literature. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

401 Major Authors. (1–3, repeatable for different authors) A thorough study of the work of a major author or two closely related authors. *Prerequisite: ENG 299 with a grade of C or better, or consent of instructor.*

408 Senior Honors Thesis. (1–4, repeatable to 4) An independent study project resulting in a substantial original paper. Students will work closely with a single instructor who will evaluate the project. *Prerequisites: Honors in the Major candidate in English, approval of the thesis advisor and the Honors in the Major coordinator, and senior status in the University.*

409 Independent Study. (1–3, repeatable to 6) Independent reading or research projects for the senior English major. *Prerequisite: consent of instructor.*

433 Literature for Young Adults. (3) Survey of literature for secondary students grades 7–12. Emphasis on critical analysis, evaluation, and use of books in various genres.

466 Teaching Literature and Reading in Middle and High Schools. (3) Constructs teaching units for 6–12 grade students that integrate age-appropriate literary genres; and examines reading strategies derived from literary theory. *Prerequisites: ENG 280 and 384; 12 s.h. (or equivalent) of coursework in literature, or consent of instructor.*

471 Language Diversity and Grammar for Middle and High School Teachers. (3) Examines the relationships among standard and nonstandard dialects and effective practices for teaching grammar. *Prerequisites: ENG 280 and 372, or consent of instructor.*

476 Senior Seminar. (3, repeatable to 6 for different topics) Intensive exploration of a major issue, era, author, or text, culminating in the writing of a substantial scholarly essay. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280, ENG 299 with a grade of C or better, senior standing, or permission of Program Director.*

480 Writing and Social Networks. (3) Writing unique to the collaborative, social environment of the contemporary web: groups, conversations, distributed work. In-depth work with electronic writing tools. *Prerequisites: ENG 381 or permission of instructor.*

481 Topics in Writing Studies. (3) Semester-long study of a topic in the theory, practice, or history of writing studies. *Prerequisites: ENG 381 or permission of instructor.*

483 Editing and Proofreading. (3) Theory, methods, and applied practice in copyediting and proofreading documents, with an introduction to the publishing industry. *Prerequisites: ENG 370 or 381, or permission of instructor.*

484 Writing Center Studies. (3) Theory and practice of writing center studies. Issues relevant to consulting, research, and administration. *Prerequisites: ENG 381 or permission of instructor.*

485 Advanced Poetry Workshop. (3) An advanced course in writing poetry for students already accomplished in the genre. *Prerequisites: ENG 285 and 385.*

486 Advanced Fiction Workshop. (3) An advanced course in writing fiction for students already experienced in the genre. *Prerequisites: ENG 285 and 386.*

487 Advanced Nonfiction Workshop. (3) An advanced course in writing nonfiction for students already experienced in the genre. *Prerequisites: ENG 285 and 387.*

489 Grant and Proposal Writing. (3) Best practices for finding, researching, planning, and writing proposals and grant applications. *Prerequisites: ENG 381 or permission of instructor.*

492 *(Cross-listed with REL 492)* Religion, Literature, and Film. (3) (Multicultural) Study of multicultural literary and cinematic texts engaging a wide range of religious traditions. *Not open to students with credit in REL 492. Prerequisite: ENG 299 with a grade of C or better, or one 100- or 200-level Religious Studies or Philosophy course, or consent of instructor.*

494 *(Cross-listed with BC&J 494 and WS 494)* Women and Film/Television. (3) An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit in BC&J 494 or WS 494. Prerequisites: ENG 180 and 280.*

495 Internship. (1–12, repeatable to 12) Actual work assignments and on-the-job experiences in businesses and public agencies which value the skills of intellect, imagination, research, reading, and writing of the English major. *Prerequisite: permission of Program Director. Graded S/U only.*

496 *(Cross-listed with BC&J 496)* Topics in Film. (3) Study of major subjects and themes in film. Topics vary but may include intensive study of directors such as Alfred Hitchcock and Federico Fellini, or artistic movements such as Italian Neorealism, French New-Wave, Contemporary

Spanish Cinema, or Russian Formalism. *Not open to students with credit in BC&J 496. Prerequisites: ENG/BC&J 290, ENG/BC&J 390, and 6 s.h. in approved film minor electives, or permission of instructor.*

ENGLISH EDUCATION (EDUC)

239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established School criteria for admittance to TEP. *Graded S/U only.*

339 Pre-Student Teaching Clearance. (0) Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for School clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U only.*

439 Methods for Middle and High School English Language Arts. (3) Preparation for student teaching, including analysis of techniques and materials useful to the English teacher in the secondary school. Observation and demonstration teaching. *Open to English majors and minors. Prerequisites: ENG 384, 466, and 499; EDS 301.*

443 *(Cross-listed with LA 443)* Creative Uses of Literature for Children and Young Adults. (3) Presents the development of effective programs in informal and formalized interpretive experiences for children and young adults, emphasizing individual creativity and sources for materials. *Not open to students with credit in LA 443. Laboratory. Prerequisite: LA 313.*

480 See STCH 480.

499 Teaching New Media in Secondary Schools. (3) This course is designed to prepare students for teaching in middle and secondary schools by focusing on contemporary issues and controversies in education. Additionally, students will examine research methodologies and read a range of professional publications. *Prerequisites: ENG 384 and 466.*

ENVIRONMENTAL STUDIES (ENVR)

201 Introduction to Environmental Studies. (3) Dimensions and scope of environmental studies, includes relationship of humans to nature, ecosystems, earth resources, population, environmental economics, politics, health, and biodiversity.
IAI: P9 901.

401 Colloquium on Environmental Studies. (3) The capstone course in the Environmental Studies minor. Variable topics on such issues as population growth, terrestrial resources, environmental ethics, global warming, politics and economics of environment, environmental regulations, agriculture—world food resources will be examined. Students will complete a research project. *Prerequisites: ENVR 201 or permission of instructor.*

EXPERIMENTAL STUDIES (All)

275–475 (Title to Be Assigned by School). (1–3 each) Students should consult the School Director or Program Director to determine which experimental courses, if any, are being offered under this number during the current academic year. *May not be counted in the General Education Curriculum. Students pursuing undergraduate degree programs may take a maximum of 3 s.h. of 275 and 3 s.h. of 475 from one School for credit toward graduation. A student pursuing the B.A. in General Studies degree may take up to 12 hours of 275/475 courses from one School for credit toward graduation.*

298–498 Individualized Studies. (1–3 each) This course is available to students who are interested in the study of topics which are not currently a part of the curriculum. Students should consult their advisor, School Director, or Program Director about procedures. *May not be counted in the General Education Curriculum.*

FINANCE (FIN)

101 Financial Health and Literacy. (3) Develops strategies for achieving and maintaining well-being through personal finance skills. Topics include well-being as it relates to cash management, credit management, sources of educational funding, rental agreements, basic investments, taxes, insurance, financial math, and career planning.

311 Introduction to Finance. (3) Introductory course in the study of money and its management for non-business majors. The course is divided into three sections that encompass the major areas of Finance: financial institutions and markets, investments, and business finance. *Not available to students who are currently enrolled in or have completed FIN 331. Prerequisite: MATH 100 or higher.*

321 Principles of Real Estate. (3) The study of real estate with an emphasis on a broad coverage of all areas including but not limited to markets, legal concepts, financing, brokerage, appraising, and governmental influence.

331 Financial Management I. (3) Financial organization and the principles and practices of decision-making involving financial analysis, valuation, capital allocation, and budgeting. Cases and readings are utilized to study problems and techniques of financial analysis. *Prerequisite: ACCT 201.*

341 Financial Institutions. (3) A study of the major financial institutions including commercial banks, savings institutions, credit unions, mutual funds, insurance companies, securities firms, finance companies, and pension funds. *Prerequisite: MATH 100 or higher.*

400 Finance Internship. (1–12, repeatable to 12) Students apply finance theories in actual business practice. All internships are academically and professionally supervised. *A maximum of 3 s.h. may be used to satisfy the Finance option or minor requirements. Prerequisites: enrolled in Finance option or minor, minimum junior standing. 2.75 GPA, 9 s.h. of Finance coursework, and written approval of the School Director or Program Director. Graded S/U only.*

401 *(Formerly FIN 301)* Personal Financial Planning. (3) An introductory personal money management course. Topics studied will include managing cash income, home ownership, investments, insurance, income and estate tax planning, and retirement planning.

421 Real Estate Finance and Investment. (3) The study of instruments, techniques, and institutions of real estate finance. This course analyzes mortgage and property investment risk, the secondary mortgage market, and the financial arrangements used in the financing of residential, industrial, and commercial properties, including commercial leasing. *Prerequisite: FIN 331 or permission of instructor.*

441 Bank Management. (3) A study of the functions, operations, policies, organization, management, and supervision of commercial banks. Case analysis is used to predict the financial health of operational individual banks. *Prerequisite: FIN 341.*

445 *(Cross-listed with ACCT 445)* Financial Modeling and Statement Analysis. (3) Students will identify problems, analyze results, and make decisions regarding the impact on financial statements through development of models in electronic spreadsheets. Financial statements, capital budgets, risk, capital structures, takeovers, and other financial topics will be analyzed. *Not open to students with credit in ACCT 445. Prerequisite: ACCT 341 or FIN 331 or permission of instructor.*

449 *(Formerly FIN 351)* Risk Management and Insurance. (3) The primary focus of this course is evaluating various loss exposures and analyzing the methods for managing these risks including personal lines of insurance such as auto, homeowners, life, annuity, retirement plans, and related items. *Prerequisite: MATH 100 or higher.*

452 Commercial Property and Liability Insurance. (3) The study of risk management techniques and concepts as they relate to commercial lines. Insurance and noninsurance techniques (such as fidelity and surety bonding) as they are used to deal with business risks are examined. *Prerequisite: FIN 449 or permission of instructor.*

453 *(Cross-listed with ACCT 453)* Estate Planning and Taxation. (3) This course covers various estate planning techniques to mitigate the financial risks associated with the transfer of wealth during lifetime and at death. Wills and trusts are discussed. Techniques for reducing, freezing, or eliminating gift and estate taxes are explained. *Not open to students with credit in ACCT 453. Prerequisite: ACCT 460 or FIN 449 or permission of instructor.*

460, 461 Independent Study in Finance I, II. (1–3 each, not repeatable) *Prerequisite: Finance major or minor, 2.75 GPA or higher, 12 s.h. of Finance coursework, and written permission of Instructor and either the School Director or Program Director.*

470 *(Formerly FIN 371)* Investments. (3) Presents a foundation in investments examining various types of financial instruments, the issuance and trade of securities, mutual funds, theory of risk and return, modern portfolio theory, capital asset pricing model, bond prices and yields, bond portfolios, and equity analysis. *Prerequisite: MATH 100 or higher.*

471 Investment Security Analysis. (3) A foundation in security analysis focusing on common stock valuation. The topics include basics of portfolio theory, framework of stock investing, financial statement analysis, return concepts, absolute valuation models, and relative valuation techniques. *Prerequisite: FIN 331 or FIN 470.*

496 Futures and Options Markets. (3) The course presents a foundation in futures and options contracts examining the types of contracts, structure of the markets, pricing of contracts, and applications in risk management. *Prerequisite: FIN 311 or 331 or equivalent.*

FIRE SERVICE (FS)

101 Basic Elements of Firefighting I. (2) An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include organization structures, safety, fire chemistry, building construction, rope practices, and fire extinguishers. *Laboratory charge for course.*

102 Basic Elements of Firefighting II. (2) An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include ladder practices, hose operations, fire ground ventilation, and fire-related hydraulics. *Laboratory charge for course.*

103 Basic Elements of Firefighting III. (2) An introduction to essential concepts and practices in fire suppression. This course is part of the *Illinois Basic Firefighter Certification* series. Topics include fire ground tactics, rescue operations, fire cause determination, salvage, and post fire overhaul practices. *Laboratory charge for course.*

210 Fire Protection. (3) Organization and function of fire prevention; inspections and hazard analysis; economics of and survey of fire protection equipment. Examination of direct and indirect personnel functions, responsibilities, and coordination with other agencies.

211 Fire Suppression Tactics. (3) This course is an introduction to basic concepts in fire suppression operations. Topics include an overview of the incident command system, building construction, basic fire strategy, fire ground tactics, and situational response. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

212 Introduction to Fire Prevention. (3) This course serves as a general introduction to strategies in fire prevention. Concepts reviewed include building inspection, code enforcement, construction plan review, zoning practices and public education programs. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

300 Administration of Firefighter Safety Programs. (3) An exploration of the fire administrator's role in meeting governmental regulatory obligations, and industry standards related to firefighter safety, health, and well-being. *Credit cannot be given for both FS 300 and 301. Prerequisite: FS 210 or permission of instructor.*

301 Firefighter Safety and Survival. (3) Firefighter safety introduces essential principles

and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services. *Credit cannot be given for both FS 300 and 301. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

302 Fire Department Hazardous Materials Operations. (3) The Hazardous Materials Operations course provides instruction needed for firefighters to evaluate and mitigate risks associated with the release of hazardous materials. Students will explore risk-assessment techniques, decontamination modalities, and physical qualities related to selected hazardous materials. *Prerequisite: FS 210 or permission of instructor. Laboratory charge for course.*

303 Leading Community Risk Reduction. (3) This course provides a theoretical framework for the understanding of the organizational, logistical, ethical, political, and legal components of fire service-based community risk reduction, and methodology for the development of a comprehensive community risk-reduction plan. *Prerequisite: FS 210 and 212, or permission of instructor.*

345 Ethics, Diversity, and Professionalism in the Fire and Emergency Services. (3) This course will familiarize students with concepts relating to diversity, professionalism, ethics, and morality within fire service delivery from both the individual and organizational perspective. Special attention is provided to ethical and moral dilemmas that are recurrent and problematic. *Prerequisite: 12 hours in fire protection study or permission of instructor.*

443 Fire Protection Structure and Systems Design. (3) The principles of protection of the structure from fire involvement. Topics include empirical tests, prediction procedures, detection and suppression systems, sprinkler design, and recent innovations. *Not open to students with credit in ET 443. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

444 Fire Dynamics. (3) Fire dynamics is a study of fire propagation phenomenon in both fuel and air regulated phases, e.g., variables in pre- and post-flashover fire development, as well as geometric, material, gaseous, fluid flow, and thermodynamic parameters. *Not open to students with credit in ET 444. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

477 Data Driven Safety and Risk Reduction Applications. (3) This course examines the basic principles of research and methodology for analyzing current fire-related research as it pertains to firefighter safety and community risk reduction efforts in the fire service. *Prerequisite: instructor permission.*

481 Fire and Emergency Administration. (3) Organization and management of fire services, including new technologies and changing organizational structures. Blending personnel and equipment. Municipal fire protection planning. Fire department functions. Manpower and training. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

482 Analytic Approaches to Public Fire Protection. (3) The course is designed to show the application of the systems approach to problems in the fire protection services including fire suppression and prevention systems. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

483 Personnel Management for the Fire and Emergency Services. (3) Examines personnel practices, management procedures; investigates collective bargaining, binding arbitration, applicable legislative procedures, and administrative and supervisory procedures. Other topics: promotion and personnel development. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

484 Fire Prevention Organization and Management. (3) Examines and evaluates the techniques, procedures, programs, and agencies involved with fire prevention. Consideration is given to related governmental inspection and education procedures. *BGS online writing course. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

485 Political and Legal Foundations. (3) The legal basis for the police power of government related to public safety. Legal limitations and responsibility. Liability of fire prevention organizations and personnel. Review of judicial decisions. *Writing Instruction in the Disciplines (WID) course. BGS online writing course. Prerequisite: ENG 180 and 280; FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

486 Fire Investigation and Analysis. (3) Examination of techniques for the collection and analysis of evidence relative to a fire's origin. Legislative, economic, psychological, and sociological variables of the incendiary fire. *Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director. Permission of Instructor is required for all online sections of this course.*

487 Fire Codes and Standards. (3) This course surveys fire codes and standards, explores their development process, impact on life safety, and the challenges present in their application. *Prerequisite: FS 210 or 212, or permission of instructor.*

488 *(Cross-listed with PSY 488)* Fire-Related Human Behavior. (3) Considers fire related behavior in general including fire detection, suppression action, and evacuation behavior. Also considers fire-setting behavior, fire-prevention education, and eyewitness processes. *Not open to students with credit in PSY 488. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

490 Fire Service Internship. (9) The fire internship provides practical experience through real world observation and interaction with practitioners in the work environment. The student observes and participates in the daily routines associated with the provision of public

safety services. *Prerequisites: Minimum 2.25 GPA overall and a 2.50 GPA in the core courses within the fire major; C grade or better in each of FS 210, 211, 212, 301, and 345; junior or senior standing. Corequisite: FS 491. Graded S/U only.*

491 Fire Service Internship Paper Summary. (3) This course consists of a writing exercise whereby interns reflect on their thoughts and opinions regarding the internship experience, including events that played an important part in their academics or internship experience as it relates to their career pursuits. *Corequisite: FS 490.*

492 Honors Internship Project. (3) A preparation by an honors student of a significant written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: FS 490.*

499 Senior Comprehensive Exam. (0) A comprehensive exam administered to all seniors majoring in Fire Protection Services. *Prerequisite: Senior standing Graded S/U only.*

FOREIGN LANGUAGE (F L)

101 Introductory Seminar in World Languages and Cultures. (3) (Multicultural) Introduces the content and methods of foreign language scholarship. Centers on a particular topic or theme within the context of (a) non-English-speaking culture(s). Methods may include linguistics, cultural studies, film studies, literary studies, interdisciplinary approaches, and/or pedagogy.

121 Less Commonly Taught Languages I. (3, repeatable with no maximum for different topics) Designed to introduce and develop the four basic language skills (speaking, listening, reading, and writing) in the target language and to create and increase competence about the target language culture or cultures.

122 Less Commonly Taught Languages II. (3, repeatable with no maximum for different topics) Designed to further develop the four basic language skills (speaking, listening, reading, and writing) in the target language and to further increase competence about the target language culture or cultures. *Prerequisite: F L 121 or by permission of Program Director.*

150 Introduction to Latinx Studies. (3) This course prepares students to critically address issues of identity, nation, gender, race, and ethnicity as they pertain to Latinx studies.

250 Latinx Creative Expressions. (3) Explore and problematize meanings and conceptualizations of being part of a Latinx community, from a range of creative and cultural expressions, and consider how artists and Latinx icons examined issues of ethnic identity, discrimination, and creative resistance in their communities.

350 Introduction to Contemporary Critical Theory. (3) (Multicultural) This course, to be taught in English, will introduce students to critical theories that shape literary, artistic, and cultural studies as they apply to foreign languages. *Prerequisites: ENG 180, 280; junior standing or consent of instructor.*

392 French Cinema. (3) Historical survey of the French film industry, with particular attention to the works of major filmmakers. English subtitles. *Prerequisite: for French majors or minors, FR 224; for others, permission of the instructor.*

490 Senior Capstone. (3) Course designed to integrate linguistic, critical, cultural, and analytical skills with the knowledge acquired during course work towards the major. Students demonstrate their achievement of the program learning outcomes through a major writing project, an oral presentation, and a portfolio. *Writing Instruction in the Disciplines (WID) course. Prerequisites: senior standing or permission of the Program Director.*

498 Individual Studies in Latinx Studies. (1–3) Exploration of special projects which will immerse students in a specific topic, action, or service related to Latinx life. *Prerequisites: permission of the Program Director.*

499 Selected Topics in Foreign Languages and Literatures. (3) Seminar in topics related to foreign languages, literatures, and cultures. Taught in English. *Prerequisites: junior standing or consent of the instructor.*

FOREIGN LANGUAGE EDUCATION (EDUC)

439 Foreign Language Methods. (3) An exploration of current foreign language teaching methodologies and techniques through assigned readings, discussion, and practical application such as microteaching. *Prerequisite: EDS 301 or consent of instructor.*

FORESTRY (FOR)

308 *(Formerly FOR 208)* Woody Plant Identification and Dendrology. (4) Identification, distribution, economic importance, and growing requirements of common native and ornamental deciduous and evergreen trees and woody shrubs for use in urban and rural landscapes and agroforestry. Prepare students for portions of the ISA Certified Arborist exam. *Not open to students with credit in HORT 380. Prerequisite: HORT 180 or permission of instructor. 2 hrs. lect.; 4 hrs. lab.*

FRENCH (FR)

(Language Skills Courses)

121 Elementary French I. (4) Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school French without permission of the Program Director.*

122 Elementary French II. (4) Continuation of Elementary French I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. *Prerequisite: FR 121 or appropriate score on placement examination administered by the Program Director.*

223 Intermediate French I. (3) Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in French. *Prerequisite: FR 122 or appropriate score on placement examination administered by the Program Director.*

224 Intermediate French II. (3) (General Education/Humanities) Continuation of Intermediate French I. *Prerequisite: FR 223 or appropriate score on placement examination administered by the Program Director.* ***IAI: H1 900.***

325 French Conversation. (3) Intensive practice in oral expression and conversation. *Prerequisite: FR 224 or equivalent.*

326 French Composition. (3) Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course. Prerequisites: FR 224 or equivalent; ENG 280.*

401 Advanced French Grammar. (3) An intensive study of advanced French grammar with practice in its application. *Prerequisite: FR 326 or equivalent.*

(Literature and Civilization Courses)

327 Introduction to French Literature. (3) An introduction to critical reading and appreciation of French literature, surveying representative texts from major periods and genres. Conducted in French. *Prerequisite: FR 224 or equivalent.* ***IAI: H3 916.***

328 Masterpieces of French Literature. (3) A study of selected masterworks representing major periods and genres of French literature. Conducted in French. *Prerequisite: FR 224 or equivalent.* ***IAI: H3 917.***

361 Field Study Travel. (1–3, repeatable to 9 in one language) Field study project. The student submits a written report and fulfills other requirements set up by the instructor. *Prerequisite: 6 s.h. of intermediate college French or equivalent.*

438 20th Century French Literature. (3) Selected works of Gide, Proust, Sartre, Camus, St. Exupéry, Anouilh, Colette, Sarraute, Duras, de Beauvoir, and others. *Prerequisite: FR 327 or equivalent.*

492 Individual Studies in French. (1–5, repeatable to 5) *Prerequisites: junior standing and consent of Program Director.*

499 Selected Topics in French Language and Literature. (3, repeatable with no maximum for different topics) *Prerequisite: FR 327 and consent of the instructor.*

GEOGRAPHIC INFORMATION SCIENCE (GIS)

108 Digital Earth. (4) An introduction to various applications of mapping and navigational technology (Google Earth, photography, GIS, and GPS) used in daily life. This course involves student presentations and projects focused on basic principles and applications of this technology. *3 hrs. lect.; 2 hrs. lab.*

201 GIS Data Acquisition. (3) This course covers principles of geospatial data concepts. These concepts include field and office data collection using applications of GPS and common GIS software, digitizing, and coordinate geometry (COGO). This course also includes internet download techniques and basic map making. *2 hrs. lect.; 2 hrs. lab.*

202 Principles of GIS. (4) Introduction to the principles of Geographic Information Systems (GIS), including GIS representation of the real world; GIS concepts, data, methods, tools, and their integration for location-related decision making; and GIS procedure for representation, analysis, and presentation. *3 hrs. lect.; 2 hrs. lab.*

302 GIS Software and Scripting. (3) Explores fundamental GIS scripting skills to create or customize tools in ArcGIS for GIS representation, analysis, and presentation. *Prerequisites: CS 114 and GIS 202. 2 hrs. lect.; 2 hrs. lab.*

309 GIS Data Integration. (3) This course covers core principles of geographic information, GIS data manipulation skills, common GIS data sets together with lab/project experiences, and GIS data evaluation. It strengthens the GIS "data" foundation for future GIS specialists. *Prerequisite: GIS 202 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

402 Advanced Cartography and Visualization. (3) Advanced map compilation; theory and practice of cartographic design emphasizing thematic mapping, geovisualization, and map communication using Geographic Information Systems (GIS). *Prerequisite: GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

403 Advanced Remote Sensing. (3) Digital image processing techniques for thematic information extraction from remotely-sensed data for environmental applications. Laboratory. *Prerequisites: GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

404 Advanced Quantitative Methods and Applications in GIS. (3) Students will learn, examine, and review how advanced GIS quantitative methods are used to measure spatial distribution patterns of geographical features, and analyze relationships between geographical phenomena. *Prerequisites: GEOG 301 and GIS 309; or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

405 Advanced GIS Spatial Analysis. (3) Thorough and systematic examination of GIS analytical/modeling methods. Students will be trained to translate real-world problems into GIS data, tools, maps, new findings, and reports. Laboratory. *Prerequisites: GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

407 Social Applications of GIS. (3) Examination of GIS concepts and skills in studying the geospatial characteristics of social phenomena, such as population geography, geographic segregation of neighborhoods, and spatial patterns of crimes. Practice of GIS applications in sociodemographic issues through lab exercises and course project. *Prerequisite: GIS 309 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

408 Environmental Applications of GIS. (3) GIS modeling of the biophysical environment, including water flow simulation, mapping of soils and climates, habitat delineation, and soil erosion modeling. Review of GIS methods, literature, and practice of environmental analysis in labs and project. *Prerequisites: GIS 405; GEOG 301 or STAT 171 or equivalent; or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

410 Applied GIScience. (3) Examination of real-world applications of GIS, remote sensing, and GPS, including issues in the associated literature and principles. Fostering ideas and practicing skills of designing and completing GIScience projects scientifically. *Prerequisite: GIS 309 and 405; or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

GEOGRAPHY (GEOG)

(Physical)

121 Planet Earth: Surface Processes and Interactions. (4) (General Education/Natural Sciences) The interplay between landforms, soils, water, climate, and life forms (including humans) on Earth's surface, and how these interact to shape the surface of Planet Earth. It also covers the distribution of landforms in the U.S. and other countries. Laboratory. *3 hrs. lect.; 2 hrs. lab.* ***IAI: P1 905L.***

182 *(Cross-listed with PHYS 182)* Integrated Science II. (4) A laboratory course in interdisciplinary science with an emphasis on the Earth's place in the physical universe. Topics address the nature of matter and energy and their impact on the Earth's weather and climate. *(Integrated Science I is BIOL/GEOL 181) Not open to students with credit in PHYS 182. Prerequisite: MATH 100 or 110. 3 hrs. lect.; 2 hrs. lab.*

423 River Water Resources. (3) An examination of river water resources at the global scale. Case studies of river basins from different countries will be used to understand past and present issues related to their management, ecological problems, and restoration initiatives. *Prerequisite: Lower division natural science course with a lab, or consent of instructor.*

426 *(Cross-listed with BIOL 426)* Conservation and Management of Natural Resources. (3) Problems in the conservation and management of natural resources including soil, water, rangeland, forest, wildlife, air, and energy resources. Special attention to resource problems of the United States. *Not open to students with credit in BIOL 426. Prerequisites: GEOG 121 and METR 120, or consent of instructor.*

430 Natural Hazards. (3) Examination of the causes, development, and impact of different natural hazards around the world. Hazards range from volcanoes and earthquakes to hurricanes, tornadoes, floods, and fires. Understanding community responses to particular disasters, including planning, first responses, and lessons learned.

459 *(Cross-listed with BIOL 459)* Biogeography. (3) Study of the geographical distributions of organisms, the evolutionary and ecological processes underlying the patterns of distribution, and the role of biogeography in biological conservation. *Not open to students with credit in BIOL 459. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better), or consent of instructor.*

(Human)

100 Introduction to Human Geography. (3) (General Education/Social Sciences) (Multicultural) Analysis of the spatial patterns of population, population trends, human migrations, ecological processes, and the impact of people on the natural environment. ***IAI: S4 900N.***

251 Principles of Urban and Regional Planning. (3) Examines contemporary planning processes with an emphasis upon utopian planning precedents, frameworks and mechanisms for planning, and comprehensive planning and implementation.

341 Economic Geography. (3) The production and distribution of the world's commodities and their regional aspects. The reproductive, extractive, and manufacturing industries and their natural and cultural relationships. *Prerequisite: GEOG 100 or consent of instructor.*

440 Connections: A Geography of Transportation. (3) Introduction to transport systems at various geographic scales in society, and the concepts, methods, and application areas of Transport Geography. *Prerequisite: GEOG 301 and GIS 202; or consent of instructor.*

443 Population Geography. (3) Description and spatial analysis of population data and of fertility, mortality, and migration of the human population. Some emphasis given to migration; some to the United States. *Prerequisites: two courses in Geography or consent of instructor.*

448 Introduction to Urban and Regional Planning. (3) An examination of contemporary planning processes. Emphasis upon utopian planning precedents, frameworks and mechanisms for planning, and comprehensive planning and implementation. *Prerequisite: POLS 470, or its equivalent, or consent of instructor.*

458 Planning Methods. (3) Introduces commonly used analytic techniques in the practice of urban and regional planning. Consideration is given to techniques and data sources to support urban development. *Prerequisite: GEOG 251 or consent of instructor.*

(Regional)

110 World Regional Geography. (3) (General Education/Social Sciences) (Multicultural) A survey of the world's regions emphasizing the spatial arrangements of resources, population, institutions, economic activities, and cultural landscapes, and their significance for distinctive regional problems. ***IAI: S4 906.***

466 *(GEOG 466—Africa is cross-listed with AAS 466)* World Regions. (3, repeatable to 9 for different regional subtitles) (Multicultural) Analysis of the physical and cultural geography of a major world region chosen from the following: Latin America, Russia, Monsoon Asia, Europe, Africa, Middle America, South America, and Asia. *Not open to students with credit in AAS 466. Prerequisite: two courses in Geography or consent of instructor.*

(Theory, Methods and Research)

301 Introduction to Quantitative Geography. (3) An introduction to quantitative methods used by geographers to analyze and interpret geographic data and to solve geographic problems. Topics include hypothesis formulation and testing, sampling strategies, correlation, regression, and spatial patterns. *Prerequisite: two courses in Geography, MATH 128 or high school algebra, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

405 Senior Thesis Capstone Course. (2) *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280, Geography or Meteorology major, and senior status.*

450 Geography Workshop. (1) General workshop of a variety of geographic topics. Discussions and creative activities are emphasized in a supportive environment. *Not open to students with credit in GEOG 322 or METR 322. Prerequisite: elementary algebra or equivalent. Graded S/U only.*

495 Honors Thesis. (3) *Prerequisite: permission of School Director or Program Coordinator.*

497 Internship in Applied Geography. (1–3, repeatable to 3) Assignment as an undergraduate assistant in public, private, or university agencies engaged in planning, meteorology, environmental assessments, cartography, etc. *Only 3 s.h. may be applied to minimum degree requirements. Prerequisite: permission of School Director or Program Coordinator. Graded S/U only.*

498 Individualized Studies. (1–3) This course is available to students who are interested in the study of topics which are not currently a part of the curriculum. The students should consult their advisor, School Director, or Program Coordinator about the procedure which is to be followed. *Prerequisite: permission of School Director or Program Coordinator.*

499 Special Problems in Geography (Research) (1–6, repeatable to 6) *Prerequisites: senior standing and consent of instructor.*

GEOLOGY (GEOL)

110 Our Changing Earth. (4) (General Education/Natural Sciences) The study of the earth, its composition, structure, landscape development, internal processes, origin, and evolution. Laboratory includes introduction to minerals, rocks, and maps. *No prerequisites. 3 hrs. lect.; 2 hrs. lab.*
IAI: P1 907L.

112 History of the Earth. (4) (General Education/Natural Sciences) Physical and biological history of the earth (North America emphasis). Origin of continents, mountains, oceans, etc.; evolution of plants and animals. *No prerequisites. 3 hrs. lect.; 2 hrs. lab.*
IAI: P1 907L.

113 Energy and Earth Resources. (3) (General Education/Natural Sciences) Introduction to energy, water, soil, and mineral resources and the impact of their use on the environment. *No prerequisite.*
IAI: P1 905.

115 Oceanography. (3) History of ocean exploration, origin and nature of ocean basins, composition and circulation of ocean water, modern developments in oceanography, man and the oceans. *No prerequisite.*
IAI: P1 905.

181 *(Cross-listed with BIOL 181)* Integrated Science I. (4) A laboratory course in interdisciplinary science with an emphasis on the nature and evolution of life and Earth. Topics include ecology, natural resources, formation of Earth materials, Earth processes, nutrient cycling, cell biology, genetics, and evolution. *(Integrated Science II is PHYS/GEOG 182) Not open to students with credit in BIOL 181.*

200 Mineralogy. (4) Introduction to crystallography, origin, classification, identification, and occurrence of common minerals. *Prerequisite: GEOL 110 or GEOG 121. Student should have basic knowledge of high school or introductory college chemistry. 3 hrs. lect.; 2 hrs. lab.*

301 Igneous and Metamorphic Petrology. (3) Origin, texture, mineralogy, mode of emplacement, and alteration of igneous and metamorphic rocks. Phase rule and phase diagrams. *Prerequisite: GEOL 200. 2 hrs. lect.; 2 hrs. lab.*

310 Geologic Field Methods. (2) Topographic and geologic mapping methods; measurement and description of stratigraphic sections; field identification of rocks and soils; use of Brunton compass, laser transit, GPS, and GIS software. *Prerequisite: GEOL 110 or 112. 1 hr. lect.; 4 hrs. lab. First 10 weeks.*

320 Structural Geology. (4) Physical properties of rocks, theories of flow and fracture, description of structural features, and origin of rock deformation. Geometric and stereographic diagrams. Interpretation of patterns. *Writing Instruction in the Disciplines (WID) course. Prerequisites: GEOL 110 and high school or college trigonometry; ENG 280. Possible field trip. 3 hrs. lect.; 2 hrs. lab.*

330 Paleontology. (4) Survey of major groups of fossil-forming organisms, emphasizing invertebrates, their preservation, morphology, ecology, taxonomy, and methods used in their study. *Prerequisite: GEOL 112 or a course in basic Biology or consent of instructor. 3 hrs. lect.; 2 hrs. lab.*

340 Stratigraphy and Sedimentology. (4) Origin and identification of sedimentary rocks, depositional environments, sedimentary processes, principles of stratigraphy. *Writing Instruction in the Disciplines (WID) course. Prerequisites: GEOL 110, GEOL 112, and ENG 280, or consent of instructor. Required field trip. 3 hrs. lect.; 2 hrs. lab.*

361, 362 Summer Field Camp. (3–6 each, not repeatable) Measurement of stratigraphic and structural sections, geological field mapping, and preparation of reports. *Prerequisites: GEOL 200, 301, 310, 320, 340, or consent of instructor. At field station in South Dakota.*

375 Environmental Geology. (3) Application of geology to environmental problems. Land resource planning, solid and liquid waste disposal, mining, foundations structures, geologic hazards, mineral and energy resources. *Prerequisite: GEOL 110.*

380 Hydrogeology. (4) Study of water's interaction with geologic materials; principles of groundwater flow; aquifer testing; groundwater flow modeling programs; water chemistry and pollutants. Many labs are conducted in the field. *Prerequisite: GEOL 110 or GEOG 121. 3 hrs. lect.; 2 hrs. lab.*

381 *(Cross-listed with BIOL/CHEM/MATH/METR/PHYS 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/MATH/METR/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

418 *(Cross-listed with BIOL/CHEM/PHYS 418)* Introduction to Scanning Electron Microscopy. (4) The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/CHEM/PHYS 418. Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.*

460 Special Problems in Geology and Geophysics. (1–5, repeatable to 5) Research problems. *Prerequisite: consent of instructor prior to registration.*

461 Geologic Field Trips. (1–4, repeatable to 4) Field trips in geology or geophysics. *Prerequisite: GEOL 110, or GEOL 112, or concurrent registration in these courses and consent of instructor.*

462 Honors Research Thesis. (2–3, repeatable to 3 to complete project) Research problems by agreement of student and advisory committee. Required: written proposal, final written report, and oral report. *Prerequisites: GPA of 3.40 overall and 3.20 in Geology, completed 26 s.h. in Geology, junior or senior standing, and approval of advisory committee.*

481 *(Cross-listed with BIOL/CHEM/METR/PHYS 481)* Techniques and Issues in Science Teaching. (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/METR/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

482 *(Cross-listed with BIOL/CHEM/METR/PHYS 482)* Science in Context. (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/CHEM/METR/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, or Meteorology; ENG 280; or permission of instructor.*

495 Geology Internship. (1–6, repeatable to 6) Credit for geologic work experience in a business, governmental, or research organization. Internship project report required. *Prerequisites: 20 s.h. of Geology courses, junior or senior standing in Geology, and permission of School Director or Program Coordinator. Graded S/U only.*

GERMAN (GER)

(Language Skills Courses)

121 Elementary German I. (4) Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school German without permission of the Program Director.*

122 Elementary German II. (4) Continuation of Elementary German I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. *Prerequisite: GER 121 or appropriate score on placement examination administered by the Program Director.*

223 Intermediate German I. (3) Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in German. *Prerequisite: GER 122 or appropriate score on placement examination administered by the Program Director.*

224 Intermediate German II. (3) (General Education/Humanities) Continuation of Intermediate German I. *Prerequisite: GER 223 or appropriate score on placement examination administered by the Program Director.*
IAI: H1 900.

325 German Conversation. (3) Intensive practice in oral expression and conversation. *Prerequisite: GER 224 or equivalent.*

326 German Composition. (3) Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280, and GER 224 or equivalent.*

(Literature and Civilization Courses)

327 Introduction to German Literature. (3) An introduction to critical reading and appreciation of German literature, surveying representative texts from major periods and genres. Conducted in German. *Prerequisite: GER 224 or equivalent.*
IAI: H3 916.

337 *(Cross-listed with HIST 337)* The Holocaust. (3) (Multicultural) Examines the pre-history, history, and post-history of the Holocaust and its representations from a German Studies perspective and within the broader context of European culture. *Not open to students with credit in HIST 337. Prerequisite: HIST 116 or GER 224 or consent of instructor.*

361 Field Study Travel. (1–3, repeatable to 9 in one language) Field study project. The student submits a written report and fulfills

other requirements set up by the instructor. *Prerequisite: 6 s.h. of intermediate college German or equivalent.*

492 Individual Studies in German. (1–5, repeatable to 5) *Prerequisites: junior standing and consent of Program Director.*

499 Selected Topics in German Language and Literature. (3, repeatable with no maximum for different topics) *Prerequisite: GER 327 and consent of the instructor.*

HEALTH (HLTH)

120 *(Formerly HE 120)* Personal Health Promotion. (2) Designed to enhance students' physical, intellectual, emotional, social, and spiritual health which will enable them to pursue their college and life goals more effectively.

121 *(Formerly HE 121)* Human Sexuality. (2) The anatomical, physiological, psychological, and sociological characteristics unique to men and women, and what they bring to each other in their personal relationships.

123 *(Formerly HE 123)* Drug Use and Abuse. (2) A comprehensive and in-depth study of the use and abuse of drugs in our society.

211 *(Formerly HS 211)* Principles of Public Health. (3) An introduction to public health which emphasizes its core values, concepts, history, careers, and resources in health behaviors. Also includes an overview of major public health programs.

212 *(Formerly HSM 212)* Introduction to Health Policy. (3) Equips future public health professionals with a working knowledge of the U.S. health system and global differences of health systems in other countries. Health policies impacting health behaviors are compared and analyzed.

250 *(Formerly HS 250)* Introduction to Medical Terminology. (2) Designed to provide a working knowledge and understanding of health and medical terms. Students in health education, health services management, EMT, pre-professional healthcare programs, and all other health-related fields will particularly benefit. Learning, interpretation, and understanding is enhanced via discussion of word roots, prefixes, and suffixes.

251 *(Formerly HE 251)* First Aid. (2) Theory and practice of first aid and CPR for the ill and injured. Instruction will be provided in accordance with the American Red Cross or National Safety Council First Aid standards.

270 *(Formerly EOS 270)* Principles of Accident Prevention. (3) An analysis of the tools, methods, content, and common problems associated with the establishing and administering of safety programs for homes, school, and industry.

310 *(Formerly EOS 310)* Introduction to Environmental and Occupational Safety. (3) Principles and practices of public health sanitation including water and air pollution, food and milk safety, housing, vector and rodent control, solid wastes, and other sanitation problems. Local, state, and federal regulations relevant to sanitary control of the environment presented. *Prerequisite: HLTH 211 or junior standing or permission of instructor.*

311 *(Formerly EOS 311)* Environmental and Occupational Health Problems. (3) Overview of the recognition, evaluation, prevention, and control of chemical, physical, and environmental factors that impact human health in the workplace and community. Identification and evaluation of interventions for environmental and occupational health problems will be addressed. *Prerequisite: MICR 200 or junior standing or permission of instructor. Field study costs may be approximately $10.00.*

313 *(Formerly HS 313)* Application of Theories and Concepts in Health Education. (3) Provides a basic understanding of the application of theories and concepts related to health and health education. Concepts of health, behavior, learning, and group process, as well as community organization and networking included. *Prerequisite: HLTH 211 or permission of instructor.*

314 *(Formerly HSM 314)* Health Care Management. (3) Explores management theory and practice as it relates to middle management positions such as department heads and supervisors in hospitals, ambulatory surgical centers, long term care facilities, and other health care organizations. *Prerequisite: HLTH 212 or permission of instructor.*

315 *(Formerly HSM 315)* Long Term Care Management. (3) Application of management knowledge in resident care, personal, finance, environment, regulations, and organization specific to long term care facilities. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280 and HLTH 314.*

321 *(Formerly HE 321) (Cross-listed with WS 321)* Women's Health. (3) Provides information about how women can improve their chances of achieving and maintaining high level wellness. Among the topics included are: prevention, early detection, and treatment of health problems commonly occurring among women, contraception, pregnancy and childbirth, using the medical care system, and mental health. Open to male and female students. *Not open to students with credit in WS 321. Prerequisite: junior standing.*

325 *(Formerly HE 325)* Multicultural Population Health. (3) (Multicultural) The concepts of population-based health behaviors, and the basic processes, approaches, and interventions that identify and address the major health-related needs and concerns in different races, ethnicities, and cultures. *Prerequisite: HLTH 211 or KIN 170 or permission of instructor.*

370 *(Formerly HS 370)* Research Methods in Public Health. (3) The basic concepts, methods, and tools of public health data collection, use, and analysis. Introduction to the application of the scientific method and statistics in health behavior research with an emphasis on the importance of evidence-based approaches. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280, STAT 171 and junior standing, or permission of instructor.*

377 *(Formerly EOS 377)* Occupational Safety. (3) A study of the fundamentals of industrial hygiene, hazardous and municipal solid waste regulations, accident causation theories, and workplace violence. *Prerequisite: HLTH 270.*

400 *(Formerly HS 400)* Grant Writing. (3) Introduction to the skills and techniques

necessary to research and write grant proposals for nonprofit organizations, businesses, and government agencies for improving health behavior programs/services. *Prerequisite: HLTH 370 or permission of instructor.*

407 ***(Formerly HS 444 and HS 407) (Cross-listed with NUTR 407)*** **Methods and Techniques for Health-Related Communication and Education. (3)** Theories and methods for changing lifestyle behaviors. Development of professional health education and promotion skills. *Not open to students with credit in NUTR 407. Prerequisite or Corequisite: junior standing or permission of instructor.*

408 ***(Formerly HS 413 and HS 408) (Cross-listed with NUTR 408)*** **Community Nutrition and Health Program Development. (3)** Fundamental concepts and features of program planning, including needs assessment, implementation, and evaluation of nutrition and health behavior programs for the community. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in NUTR 408. Prerequisites: ENG 180 and 280. Activities outside of class may be required.*

410 ***(Formerly HS 410)*** **Human Diseases. (3)** An overview of the science of human health and diseases. Emphasis on the risk factors, populations most affected, and applicable prevention measures. Promoting and protecting health across the lifespan using behavioral and environmental approaches presented. *Prerequisites: MICR 200 or permission of instructor.*

411 ***(Formerly HS 411) (Cross-listed with NUTR 411)*** **Principles of Epidemiology and Public Health Informatics. (3)** Methods of epidemiologic investigation and health behavior research. Locating professional literature, evaluating research, and examining evidence-based practice. Electronic technology used in health fields also included. *Not open to students with credit in NUTR 411. Prerequisite: STAT 171. Prerequisite or Corequisite: HLTH 410 or permission of instructor.*

412 ***(Formerly HS 412)*** **Public Health Administration. (3)** Overview of administrative responsibilities and organizational patterns of local, state, and national public health agencies. Theory and practice as they relate to management positions in public health organizations are addressed. Attention to leadership, ethics, and professionalism included. *Prerequisites: 12 s.h. of professional public health courses or permission of instructor.*

414 ***(Formerly HS 414)*** **Ethical Conduct and Conflict in Health Sciences. (3)** Students will interpret ethical codes of conduct as set forth by professional organizations; conflict arising from existing and evolving codes of conduct will be examined using case studies as an arena for discussion. *Prerequisites: 12 s.h. of professional health sciences courses and junior standing, or permission of instructor.*

425 ***(Formerly HS 425) (Cross-listed with EM 425)*** **Public Health Emergency Preparedness. (3)** This course introduces students to how public health agencies prepare for and respond to public health emergencies. Topics include biosurveillance, crisis and emergency risk communication, and the Strategic National Stockpile. *Not open to students with credit in EM 425. Prerequisites: Junior standing; EM 304 or HLTH 211; or permission of instructor.*

430 Health Disparities. (3) Overview of the socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities. *Prerequisites: HLTH 211 and junior standing; or permission of instructor.*

432 ***(Formerly HE 432)*** **The Coordinated School Health Program. (3)** A description and analysis of the eight components of a K–12 coordinated school health program and the relationship of these components to the reduction of youth risk behaviors. *Prerequisite: HLTH 313 or permission of instructor.*

433 ***(Formerly HE 433)*** **School Health Curriculum. (3)** Investigates the nature of school health curriculum development which addresses objectives, resources, content, evaluation, sequencing, scheduling, and implementation. *Prerequisite: HLTH 432 or permission of instructor.*

438 ***(Formerly HS 479) (Cross-listed with NUTR 438)*** **Pre-Internship for Public Health and Nutrition. (1)** Developing professional application materials required for internship, investigating potential internships, and emphasizing interviewing and job search skills. *Not open to students with credit in NUTR 438. Prerequisites: junior standing or permission of instructor.*

440 ***(Formerly HE 440)*** **Sexuality Education in the Home, School, and Community. (3)** The principles of sex education of the pre-school and school-age child. Emphasis is placed on preparing the student in content, resources, procedures, and philosophy of home, school, and community sexuality education. *Prerequisites: HLTH 121 (or its equivalent) and HLTH 313, or permission of instructor.*

441 ***(Formerly HE 441)*** **Mental Health. (3)** Overview of principles and practices of attaining and maintaining mental health, including an in-depth exploration of stress, stress management, and the relationship of stress to illness. Includes examination of prevalent mental health problems with emphasis on awareness and prevention. *Prerequisite: senior standing or permission of instructor.*

442 ***(Formerly HE 442)*** **Drug Education in the Home, School, and Community. (3)** Concepts of drug education with emphasis placed on preparing the student in content, resources, procedures, and philosophy of home, school, and community drug education. *Prerequisites: HLTH 123 (or its equivalent) and HLTH 313, or permission of instructor.*

450 ***(Formerly HE 450)*** **Public Health Workshop. (1, repeatable to 2 for different topics)** Designed to provide new and updated information relative to current health issues confronting the public health professional. *Prerequisite: senior standing or permission of instructor.*

470 ***(Formerly HSM 470)*** **Legal Aspects of Public Health. (2–3)** Equips future public health professionals with the basic concepts of legal, ethical, economic, and regulatory dimensions of public health. The roles and responsibilities of different agencies and branches of government also presented. *Prerequisites: HLTH 211 or junior standing or permission of instructor.*

490 ***(Formerly HS 490)*** **Public Health Internship. (6–9)** Provides field work experience

and knowledge in appropriate public health behavior services/programs, under supervision of preceptor qualified by education and experience. *Prerequisites: HLTH/NUTR 438 and permission of Program Director. Must have overall GPA 2.00 and major GPA 2.50. Graded S/U only.*

499 *(Formerly HS 499)* Independent Study in Public Health. (1–4, repeatable to 4) Independent research study of an approved topic. *Prerequisite: senior Health/Nutrition major (Exercise Science, Nutrition and Dietetics, Nutrition and Foodservice Management, or Public Health) or minor (Coaching, Nutrition, or Occupational Safety), and permission of instructor.*

HISTORY (HIST)

105 American History to 1877. (3) (General Education/Humanities) A survey of American history from the first encounter of American Indians and Europeans to the Civil War era. ***IAI: H2 904.***

106 American History since 1877. (3) (General Education/Humanities) A survey of American history from the end of the Civil War era to the recent past. ***IAI: H2 905.***

115 World History to 1500. (3) (General Education/Humanities) (Multicultural) An introduction to the history of world societies from human origins to 1500 emphasizing social and political institutions, economics, thought, and culture as well as cross-cultural contacts. ***IAI: H2 906.***

116 World History since 1500. (3) (General Education/Humanities) (Multicultural) An introduction to the history of world societies from 1500 to the recent past emphasizing social and political institutions, economics, thought, and culture as well as cross-cultural contacts. ***IAI: H2 907.***

201 Historical Methods. (3) Introduction to the discipline of history, including fundamental research, analytical, and writing skills required of historians. *Prerequisites: History major; one of HIST 105, 106, 115, or 116; ENG 180; permission of program advisor.*

211 Technology and Science in World History. (3) (Multicultural) An introduction to the history of global technology and science from ancient times to the recent past. *Directed Elective Area II.*

241 History of Latin America. (3) (Multicultural) A survey of Latin American history and culture from the Pre-Columbian era to the recent past. *Directed Elective Area II.* ***IAI: H2 903N.***

245 History of Asia. (3) (Multicultural) A survey of Asian history from ancient times to the recent past. *Directed Elective Area II.* ***IAI: H2 903N.***

300 Urban America. (3) A survey of the growth and development of American urban society. The course is designed to show both how technological, economic, social, and political forces have shaped our cities over time and how cities have affected American life. *No prerequisite. Directed Elective Area I.*

302 American Indian History, Pre-Contact to the Recent Past. (3) (Multicultural) This course surveys the history of American Indians from pre-contact to recent times within the current area of the United States. *Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

303 American Legal History. (3) A study of American law, emphasizing the origins and development of fields of law and legal institutions, and the relationship between the law and American society and politics. *Prerequisite: 3 s.h. of U.S. History or consent of instructor. Directed Elective Area I.*

304 United States Military History. (3) (Multicultural) A survey of the military policies and conflicts that shaped the independence, expansion, and recent world position of the United States, and the U.S. military's role in government and society. *Prerequisites: HIST 105 and 106 or enrollment in or completion of MS 311, or consent of instructor. Directed Elective Area I.*

306 Vietnam War. (3) A survey of the origins of the Vietnam War and of its social, diplomatic, and political impact in the U.S. *Directed Elective Area I or II.*

307 U.S. Foreign Relations Since 1898. (3) (Multicultural) A history of American foreign relations with emphasis on the period from the war with Spain to the recent past, stressing the development of the United States as a world power. *Prerequisite: HIST 106 or consent of instructor. Directed Elective Area I.*

308 American West. (3) The settlement and development of the West from the Appalachian Range to the Pacific Ocean. *Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

310 *(Formerly HIST 210)* Crime, Policing, and Punishment. (3) Exploration of the modern history of criminal justice in the United Kingdom, the United States, and Europe with emphasis on comparative development of criminal codes and police forces, rules of evidence, and applications of punishments, with a focus on incarceration. *Prerequisite: HIST 105 or 106 or 115 or 116, or consent of instructor. Directed Elective Area I or II.*

312 Technology, Culture, and Society. (3) (Multicultural) A history of key technological developments from the Industrial Revolution to the recent past, with an emphasis on how these innovations have transformed human culture and society. *Directed Elective Area I or II.*

314 *(Cross-listed with AAS 314)* African American History. (3) (Multicultural) A survey of African American history and culture. *Not open to students with credit in AAS 314. Prerequisite: HIST 106 or AAS 100 or consent of instructor. Directed Elective Area I.*

316 American Environmental History. (3) A history of Americans' interaction with their natural environment from pre-contact to the recent past with special emphasis on the last two hundred years. *BGS online writing course. Prerequisites: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

317 *(Cross-listed with WS 317)* Women in American History. (3) (Multicultural) A multicultural and historical survey of women

in the United States, from 1500 to the recent past. *Not open to students with credit in WS 317. Prerequisite: HIST 105 or 106, or consent of instructor. Directed Elective Area I.*

318 *(Cross-listed with WS 318)* Women and Gender in European History. (3) (Multicultural) A study of women and gender in Europe, from antiquity to the recent past, focusing on changes in culture, society, the economy, and politics. *Not open to students with credit in WS 318. Prerequisite: HIST 115 or 116, or consent of instructor. Directed Elective Area II.*

319 Ancient Near East and Egypt. (3) Intermediate survey covering several ancient civilizations in an area that includes the modern Middle East, Egypt, Persia, and Turkey, beginning with the emergence of civilization in Mesopotamia and continuing to the conquest of Alexander the Great. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

320 Ancient Greece. (3) A study of Hellenic civilization and the institutional and cultural life of the Greeks. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

321 Ancient Rome. (3) A study of Roman civilization from the Republic through the Empire. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

322 Pre-Modern Military History. (3) Intermediate survey of military history from the ancient world through the Renaissance. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

323 The Crusades. (3) A history of the Christian Crusades (1095–1291), emphasizing the historical contexts, causes, and impacts of the conflicts that started in the Eastern Mediterranean and spread to France, Spain, and the Baltic. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

325 Early Modern Europe, 1350–1648. (3) Study of political, economic, social, and cultural developments of early modern Europe from the mid-fourteenth to mid-seventeenth centuries, including the Renaissance, the Protestant and Catholic Reformations, the age of religious wars, state-building, witchcraft persecution, and the Age of Discovery. *Prerequisite: HIST 115 or consent of instructor. Directed Elective Area II.*

326 Old-Regime Europe, 1648–1815. (3) An intermediate survey of European politics, society, economics, and culture; with emphasis on how Old-Regime beliefs, practices, and institutions either culminated or broke down in the French Revolution and the Napoleonic era. *Prerequisite: HIST 116 or consent of instructor. Directed Elective Area II.*

327 Nineteenth-Century Europe. (3) A study of Europe from 1815 to 1914. *Prerequisites: HIST 116 or consent of instructor. Directed Elective Area II.*

328 Europe, 1914–1968. (3) A study of Europe from 1914 to 1968. *Prerequisites: HIST 116 or consent of instructor. Directed Elective Area II.*

337 *(Cross-listed with GER 337)* The Holocaust. (3) (Multicultural) Examines the pre-history, history, and post-history of the Holocaust and its representations from a German Studies perspective and within the broader context of European culture. *Not open to students with credit in GER 337. Prerequisite: HIST 116 or GER 224, or consent of instructor. Directed Elective Area II.*

342 *(Cross-listed with WS 342)* Women and Gender in Asian History. (3) (Multicultural) A study of women and gender in Asia from ancient times to the recent past, with an emphasis on social, political, economic, and cultural aspects of their lives. *Not open to students with credit in WS 342. Prerequisite: HIST 116 or consent of instructor. Directed Elective Area II.*

345 China. (3) A survey of Chinese history from ancient times to the recent past, with emphasis from the late dynastic (Ching) period through the Cultural Revolution. *Prerequisite: HIST 115 or 116 or consent of instructor. Directed Elective Area II.*

346 Japan. (3) (Multicultural) A survey of Japanese history from ancient times to the recent past, with emphasis on the period from the late feudal (Tokugawa) period. *Prerequisite: HIST 115 or 116 or consent of instructor. Directed Elective Area II.*

347 Modern East Asia. (3) (Multicultural) A study of China, Japan, and Korea in the 20th century. *Prerequisites: HIST 116 or 245 or consent of instructor. Directed Elective Area II.*

349 *(Cross-listed with AAS 349)* Africa since 1800. (3) (Multicultural) A study of major themes from 1800 to the recent past from an African perspective: slave trade and its abolition, European colonialism, independence movements, and problems of independence. *Not open to students with credit in AAS 349. Prerequisite: HIST 116 or consent of instructor. Directed Elective Area II.*

350 American Colonial History. (3) A focus on the continuities and changes in the Americas after 1492 wrought by interaction of Native Americans, Europeans, and Africans to 1763. *Prerequisites: HIST 105 or consent of instructor. Directed Elective Area I.*

351 American Revolution and the New Nation. (3) A study of the social, economic, and political causes of the American War of Independence, the development of a new system of government, and the early years of the new nation to 1824. *Prerequisites: HIST 105 or consent of instructor. Directed Elective Area I.*

352 Civil War Era and Reconstruction. (3) A study of the political, social, economic, military, and diplomatic history of the period 1824 to 1877, with focus on the causes, course, and consequences of the American Civil War. *Prerequisites: HIST 105 or consent of instructor. Directed Elective Area I.*

353 America in Transition, 1877–1914. (3) An examination of the forces transforming America from Reconstruction to the Wilson administration. *Prerequisites: HIST 106 or consent of instructor. Directed Elective Area I.*

355 Recent America, 1945 to the Recent Past. (3) A study of American History from the end of World War II to the recent past. *Prerequisites: HIST 106 or consent of instructor. Directed Elective Area I.*

380 World War I. (3) (Multicultural) A study of World War I emphasizing military, cultural, political, and technological developments and the conflict's global impact in shaping the twentieth century. *Prerequisite: HIST 106 or 116, or consent of instructor. Directed Elective Area I or II.*

385 History of Drugs. (3) Examination of the history of drugs, in historical and modern contexts, in both the United States and globally, with a focus on cannabis and other "recreational drugs." *Prerequisite: sophomore standing or permission of instructor. Directed Elective Area II.*

390 Introduction to Public and Digital History. (3) An introduction to methodologies and tools of history as practiced outside of academic settings, making use of new communication technologies to examine and represent the past, and including hands-on exercises that apply concepts to various historical topics. *Prerequisite: two of HIST 105, 106, 115, or 116; or consent of instructor. Directed Elective Area I or II.*

395 Professional Development in History. (1) This course will prepare History students for the job market. Topics include formulating career goals, exploring career options, preparing resumes, applying for jobs, practicing interview skills, and preparing a career portfolio. *8-week course. Prerequisite: History major or minor.*

402 *(Cross-listed with AAS 402)* The Civil Rights Movement. (3) An intensive study of the history of the African American civil rights movement concentrating on the post-WWII era. The course also examines the contested historical memory over the long black freedom struggle. *Not open to students with credit in AAS 402. Prerequisites: at least junior standing and either HIST 106 or AAS 100; or consent of instructor. Directed Elective Area I.*

420 Capstone Seminar: Illinois History. (3) Periods and themes in Illinois history including social, political, economic, cultural, and environmental change. Working in a seminar setting, students complete a major historical research project. *Writing Instruction in the Disciplines (WID) course. Prerequisites: HIST 105, 106, and 201; ENG 280; and at least junior standing; or consent of instructor. Directed Elective Area I.*

421 Seminar in Global Environmental History. (3) (Multicultural) An intensive, comparative study of the interactions between humans and the natural environment from 1500 to the recent past. *Prerequisites: at least junior standing and HIST 116 or 316, or consent of instructor.*

423 The Vietnam War and its Times. (3) An intensive study of the Vietnam War, with particular emphasis on domestic social and political aspects during the 1960s. *Prerequisites: at least junior standing and HIST 106, or consent of instructor. Directed Elective Area I or II.*

426 The Enlightenment, 1721–1784. (3) Intensive study of a cultural revolution in the Atlantic world; a "republic" of philosophers, ideas, and debates; social institutions promoting reform; emergence of new media, mass literacy, public opinion, and private sentiment, and the broader context in which these flourished. *Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.*

427 French Revolution and Napoleon. (3) An intensive study of the period from 1789 to 1815 in Europe. *Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.*

431 Alexander the Great. (3) An intensive study of the life, achievements, and historical context of Alexander III of Macedon, with particular focus on his impact outside Europe. *Prerequisites: at least junior standing and HIST 319 or 320, or consent of instructor. Directed Elective Area II.*

434 Topics in British History. (3, repeatable to 6 with permission of Program Director) Selected topics dealing with the political, social, and economic development of Britain. Topics will vary. *Prerequisites: at least junior standing and HIST 115 or 116 (as appropriate), or consent of instructor. Directed Elective Area II.*

438 Hitler's Germany, 1919 to 1949. (3) Intensive study of Germany from the end of World War I to its division following World War II, focusing on the Weimar Republic, the rise and fall of Adolf Hitler and the Nazi Party, the Holocaust, and Germany's postwar breakup. *Prerequisites: at least junior standing and HIST 116, or consent of instructor. Directed Elective Area II.*

451 Problems in History. (1–6, repeatable to 6) Research into areas not specifically covered in other courses. Course credit depends on the nature of the problem and the length of time required to complete the project. *Only 3 s.h. may be applied to major or minor requirements. Prerequisites: 9 s.h. of History, 3 s.h. of which must be from WIU; junior standing; and consent of instructor.*

452 Readings in History. (1–3, repeatable to 3) *Prerequisites: 9 s.h. of History, 3 s.h. of which must be from WIU; junior standing; and consent of instructor.*

482 Topics in European History. (3, repeatable to 6) In-depth study of a theme or chronological period in European history. Topics will vary. *Prerequisites: at least junior standing and HIST 115 or 116 (as appropriate), or consent of instructor. Directed Elective Area II.*

485 Topics in Asian History. (3, repeatable to 6) In-depth study of a theme or chronological period in Asian History. Topics will vary. *Prerequisites: at least junior standing and HIST 116 or 345 or 346 or 347, or consent of instructor. Directed Elective Area II.*

488 Topics in U.S. History. (3, repeatable to 6) In-depth study of a theme or chronological period in U.S. history, from the colonial period to the recent past. Topics will vary. *Prerequisites: at least junior standing and HIST 105 or 106 (as appropriate), or consent of instructor. Directed Elective Area I.*

490 Honors Thesis in History. (3) The preparation by an honors student of an undergraduate History thesis under the direction of one or more members of the History faculty. *Prerequisite: Honors in the Major candidate in History with junior or senior standing.*

491 Capstone Seminar in History. (3) Historical research and writing in a seminar setting is the primary focus of this course. Students will complete a major historical research project. *Writing Instruction in the Disciplines (WID) course. Prerequisites: History major; HIST 105, 106, 115, 116, and 201; at least two upper-division History courses; ENG 280; at least junior standing; and permission of program advisor.*

492 Capstone Seminar in Public History. (3) This thematic seminar will focus on the theory and practice of public history and introduce students to methodologies and approaches used

by public historians. Students will complete a major historical research project. *Writing Instruction in the Disciplines (WID) course. Prerequisites: HIST 105, 106, 115, 116, and 201; at least two upper-division History courses; ENG 180 and 280; at least junior standing; and permission of program advisor.*

494 Internship. (1-12, repeatable to 12) Supervised experience of work in archives, historical institutions, or other institutions requiring historical expertise. *Prerequisites: consent of Program Director and junior or senior standing.*

HORTICULTURE (HORT)

180 Horticultural Science. (4) Introduction to science-based principles underlying plant production, including: classification and use of food and ornamental plants; plant growth and development in response to environment and management; plant pests and pest protection; plant breeding and genetic improvement. *Not open to students with credit in AGRN 176. 3 hrs. lect.; 2 hrs. lab.* ***IAI: AG 905.***

357 ***(Cross-listed with BOT 357)*** **Cannabis Biology and Production. (3)** Lecture/lab/field course on the biology and agricultural use of *Cannabis sativa* (industrial hemp) including cannabis anatomy, physiology, breeding, propagation methods, management techniques, reintroduction into farming crop rotation, commercial production strategies, post-harvest processing, and product applications. *Not open to students with credit in BOT 357. Prerequisite: AGRN 176, BOT 200, or HORT 180; BOT 329 or permission of instructor. 2 hrs. lect.; 2 hrs. lab.*

374 ***(Cross-listed with AGRN 374)*** **Diseases of Economic Plants. (3)** Identification of agricultural plant diseases; biology of common plant pathogens; pathogen-plant interactions; fungicide classification and use; management of plant diseases through chemical, cultural, biological, and mechanical control methods. *Not open to students with credit in AGRN 374. Prerequisite: AGRN 176 or HORT 180. 2 hrs. lect.; 2 hrs. lab.*

393 Greenhouse Management. (3) Principles of greenhouse production of vegetable, ornamental, and medicinal plants; management of greenhouse facilities; plant propagation techniques; appropriate use of soil and soilless media, irrigation, fertilizers, and plant growth regulators; integrated management of pests and diseases. *Prerequisite: HORT 180. 2 hrs. lect.; 2 hrs. lab.*

493 Practicum in Horticultural Science. (1–3, repeatable to 3) Practical experience, preferably in an on-the-job situation, in some aspect of horticulture. *Prerequisites: HORT 180 and FOR 308.*

HOSPITALITY MANAGEMENT (HM)

354 Leisure Services Promotions. (3) Study of marketing processes, methods, and techniques used in the provision of event, hospitality, and tourism experiences with emphasis on strategic promotion, customer retention, and data analysis. *Prerequisite: junior status or consent of instructor.*

356 Catering. (3) Principles and application of catering management including staffing, recipe and menu development, procurement, production, presentation and service, and cost analysis. *Prerequisites: HM 151 with successful ServSafe certification, or demonstrated ServSafe certification and permission of instructor. 1 hr. lect.; 4 hrs. lab. Activities outside of class required.*

359 Legal Aspects in Hospitality Management. (3) Survey of laws applied to hospitality establishments with emphasis on managerial approach to solving or avoiding potential tort and contractual violations while managing hospitality establishment. *Prerequisite: junior status or consent of instructor.*

451 Hospitality Systems Management. (3) An exploration of theories, principles, and functions of management as they apply to food service operations. Emphasis placed on qualitative and quantitative evaluations of food service operations. *Prerequisite: RSTA 300 or consent of instructor.*

HUMAN RESOURCE MANAGEMENT (HRM)

353 Human Resource Management. (3) This course provides an overview of human resource management. It covers topics from the perspective of the HR professional, the manager, and the employee. Topics include planning, recruitment, selection, training and development, compensation, benefits, performance appraisal, and employee/labor relations.

400 Human Resource Management Internship. (1–3, repeatable to 3) Integrates human resource management theories with application to actual business practice. Internships are supervised by a faculty coordinator and an executive in the firm. *Proportional credit available for shorter internships. Hours cannot be applied toward requirements of a Human Resource Management minor. Prerequisites: enrolled in Human Resource Management option, junior standing, completion of HRM 353 with a B- or higher, 2.0 GPA, written approval of School Director or Program Director. Graded S/U only.*

441 Recruitment and Selection. (3) This course focuses on methods and strategies for finding, hiring, and retaining employees. It demonstrates how to leverage assessments, technology, and data analytics to optimize the performance and efficiency of talent acquisition, and legal and ethical implications of decisions. *Prerequisite: HRM 353.*

442 Employee Benefits. (3) This course provides an overview of the types of employee benefits offered in workplaces. It emphasizes the design, administration, and communication of benefit plans to support an organization's mission and goals. It enhances understanding of benefits strategy and legal requirements. *Prerequisite: HRM 353.*

443 Unions, Labor Relations, and Collective Bargaining. (3) A study of unions, labor relations, and collective bargaining. Includes practices pertinent to collective bargaining, including procedures and techniques utilized in negotiations. *Prerequisite: HRM 353.*

444 International Human Resource Management. (3) (Multicultural) The study of human resource management practices and regulations. Topics will include staffing, selection,

training and development, labor relations, performance appraisal, and managing workforce diversity in a global economy.

446 Employment Law. (3) This course provides an overview of legal regulations governing the workplace with a focus on areas like hiring practices, discrimination, harassment, wrongful termination, employee rights, wage and hour laws, family leave, and disability accommodations to better ensure compliance within organizations. *Prerequisite: HRM 353.*

449 Performance Management. (3) This course explores the systematic process of setting clear expectations, measuring, and developing individual and team performance within an organization; aligning employee contributions with strategic goals through ongoing feedback, coaching, and performance reviews; and optimizing organizational effectiveness. *Prerequisite: HRM 353.*

460, 461 Independent Research in Human Resource Management I, II. (1–3 each, not repeatable) Independent research study of an approved topic. *For selected Human Resource Management majors. Prerequisites: a cumulative GPA of 2.50 or above and permission of the School Director or Program Director.*

INFORMATION SYSTEMS (IS)

199 Independent Study. (1–3, repeatable to 3) Individual study, project, or research in an area of Information Systems under the supervision of a Computer Sciences faculty member. Report detailing accomplishments required. Intended for freshmen and high school students. *Prerequisites: permission of instructor and approval of School Director or Program Director.*

315 IT Systems Components. (3) An introduction to IT systems components in Information Systems. Topics covered relate to hardware, software, networks, and their role in system operation in an organizational context. *Prerequisite: CS 114 or CS 214.*

325 Global Social Networks. (3) (Multicultural) This course on global social networks emphasizes fundamental information technology, facilitation methods, and communication and writing skills for virtual communities and social networks in a global and cross-cultural environment. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180, ENG 280, and junior standing.*

335 Introduction to Cloud Computing. (3) This course will examine cloud computing concepts and the associated models. Topics discussed include cloud architecture, infrastructure, identity management, cloud storage, cloud network management, and cloud performance/capacity management. Serverless and edge computing will also be discussed. *Prerequisite: CS 214.*

340 Introduction to Information Systems. (3) Develop a thorough understanding of what information systems are, their technical foundations, where they are used in organizations, and how they are developed.

341 Business Systems Analysis. (3) Develop an understanding of concepts and techniques of business information systems analysis. Emphasis upon system development life cycle. *Prerequisites: CS 214 and IS 340.*

342 Enterprise Database Management. (3) A study of the theory and application of database management systems including their design, development, and management. *Credit cannot be given for both IS 342 and (CS 483 or CS 470). Prerequisites: IS 341.*

343 Strategic Systems. (3) The role, implications, and relevance of Information Technology (IT) in managing businesses; management issues concerning IT strategy, planning, and competitive advantage; process innovation and re-engineering; and organizational transformation. *Prerequisites: IS 340 or consent of School Director or Program Director.*

344 Telecommunications Planning Management. (3) An introduction to business management tools and techniques necessary to plan and manage a company's telecommunications and network functions. Topics include telecommunications management and network administration basics; telecommunications planning and project management; and operations and acquisition management. *Prerequisites: CS 214 or permission of School Director or Program Director.*

345 Foundations of Information Technology Service Management. (3) This course introduces concepts, models, and tools necessary to provide information technology services to users. Topics include frameworks of Information Technology Service Management (ITSM) and Information Technology Infrastructure Library (ITIL). *Credit cannot be given for both IS 345 and IS 344. Prerequisites: CS 214.*

405 Business Intelligence. (3) This course focuses on the features, uses, and design strategies for IT-enabled business intelligence systems. Data-oriented techniques for managing data, warehousing, integration, and visualization for corporate decision making are emphasized. *Prerequisite: IS 340 or CS 351 or permission of School Director or Program Director.*

410 Enterprise Architecture. (3) This course explores the design, selection, implementation, and management of enterprise IT solutions. The focus is on IT applications and infrastructure and their fit within business organizations. *Prerequisites: IS 342 or permission of School Director or Program Director.*

415 Web IT Systems Development and Management. (3) This course will cover tools and technologies related to Web IT Systems development and management. Emphasis will be placed on developing the infrastructure and exploring the emerging technical and managerial issues in support of Web IT Systems. *Prerequisites: CS 214.*

425 Artificial Intelligence Applications and Management. (3) This course will examine concepts in artificial intelligence, machine learning, natural language processing, and computer vision, among others, in the context of business applications. It will also review ethical, business, and organizational challenges in developing AI capabilities. *Prerequisites: (CS 214 and IS 340) or IS 405.*

455 *(Formerly IS 355)* Information Assurance. (3) This course examines implications and challenges of operational security in global IT

organizations, and reviews legal, social, and ethical issues related to security management. Topics include IT security policy development, risk management, threat assessment, and business continuity planning. *Prerequisites: IS 340 or CS 420 or CS 484 or CSEC 321 or consent of School Director or Program Director.*

460 Independent Study in Information Systems. (1–3, repeatable to 3) Independent study with written report on a problem mutually selected by student and instructor. *For Information Systems majors only. Prerequisites: IS 341 and senior standing, with written permission of School Director or Program Director.*

462 IS Project Management and Development. (3) Study of the issues and challenges in managing information systems' development projects. Students will also identify, develop, and implement a solution to an information systems' problem. *Prerequisite: IS 341.*

466 Topics in Healthcare Informatics. (3, repeatable to 6 for different titles) Topics include the study of healthcare information systems and their use in healthcare and clinical practice as well as in healthcare research and education. The use of artificial intelligence techniques will be considered. *Prerequisite: IS 342.*

467 Topics in Enterprise Systems. (3) This course is designed to provide an understanding of the theoretic and practical issues related to the application of Enterprise Systems within organizations with a focus in the integration of information and organizational forms and processes across functional areas using unified systems. *Prerequisite: IS 341 or ACCT 451 or permission of School Director or Program Director.*

470 Internship in Information Systems. (3–12, repeatable to 12) Work experience, on- or off-campus, in an organization involving computerized information systems. Intern will be supervised by a faculty coordinator and an executive in the business firm. Reports of work experience are submitted to the coordinator periodically. Final report required. *Only 3 s.h. can be used for the major. Prerequisites: Information Systems major; IS 341, 342; junior or senior standing; and written permission of School Director or Program Director. Graded S/U only.*

493 *(Cross-listed with CSEC/LEJA 493)* Topics in Cybercriminology. (3) Topics to include additional depth, readings, and/or examination of research trends in cybercriminology, emphasizing interdisciplinary perspectives. Explore technological, legal, motivational, and organizational issues shaping cybercrime. *Not open to students with credit in CSEC/LEJA 493.*

497 Senior Honors Project. (3–6, repeatable to 6) Provides a project option within the Information Systems Honors in the Major. Project directed by a Computer Sciences faculty member. *Prerequisite: Senior IS Honors in the Major candidate or consent of the School Director or Program Director.*

INTERNATIONAL AGRICULTURE (INAG)

310 International Agriculture in Developing Countries. (3) (Multicultural) A study of international agriculture development. Special emphasis given to world hunger and world food needs, use of limited natural resources, population growth, trade policies, and appropriate technology used in developing countries. *3 hrs. lect.*

361 International Agriculture Travel Study in the Western Hemisphere. (3, repeatable to 6 with different location) (Multicultural) The study of the history and culture of a region, integrated with agricultural production, processing, development, and trade through classroom instruction and international travel. *A maximum of six credits of INAG 361 and INAG 362 can be used toward Agriculture electives. Prerequisite: junior standing or consent of instructor. Arranged.*

362 International Agriculture Travel Study in the Eastern Hemisphere. (3, repeatable to 6 with different location) (Multicultural) The study of the history and culture of a region, integrated with agricultural production, processing, development, and trade through classroom instruction and international travel. *A maximum of six credits of INAG 361 and INAG 362 can be used toward Agriculture electives. Prerequisite: junior standing or consent of instructor. Arranged.*

KINESIOLOGY (KIN)

102 Swimming. (1) For individuals who have some experience and feel comfortable in the water. The individual should be able to move on the face and back and should have had some experience in deep water. Front crawl, back crawl, elementary back stroke, breast stroke, side stoke, fall-in dive, standing front dive, and surface dive will be taught.

108 Open Water Scuba. (2) Provides classroom and confined water work needed to scuba dive safely in open water. Certification is available, but not required. Must be able to swim 250 yards continuously, tread water 10 minutes, and swim underwater 50 feet. Physical examination required. *Additional charge for this course.*

111 Foundations of Tai Chi. (1) Tai Chi is a Chinese traditional martial art. Course content will include learning and practicing the 24 postures of Tai Chi as well as specific breathing methods commonly employed during Tai Chi exercise sessions. The course is designed for beginners, and no prior experience in martial arts is necessary for students in the class.

117 *(Cross-listed with DAN 117)* Pilates Exercise. (1, repeatable to 4) Pilates-based, mat-work fundamentals and basic concepts of Core Dynamics and floor exercises for physical/mental conditioning that change, tone, center, balance, and strengthen the body. Holistic exercise uses specific breath support while the body is engaged in dynamic exercise and includes a posture analysis to determine individual needs and goals.

118 Aerobic Dancercise. (1) Concepts and principles of aerobic dance movements; routines consisting of different beats, tempo, and movement forms.

121 Badminton. (1) Beginning level skills and techniques and appreciation for the game of badminton.

123 Golf. (1) Beginning level skills, techniques, knowledge, and etiquette. *Additional charge for this course.*

127 Riflery. (1) *Additional charge for this course.*

128 Tennis. (1) Beginning skills, strategies, and rules used to play the game of tennis.

131 Aerobic Conditioning. (1) Designed to acquaint students with cardiovascular endurance exercise. Various training programs will be introduced which are directed at conditioning of the vital organs.

140 Personal Fitness Program. (1) After initial assessment, students undertake an individualized conditioning program designed to improve the function of their cardiovascular systems.

142 Conditioning. (1) A course emphasizing physical fitness and weight control. Much time is spent on conditioning exercises and their benefits. Correct posture is also covered.

145 Pickleball. (1) Indoor net game for beginners and advanced players alike.

146 Court Sports. (1) Beginning level skills, techniques, and rules used to play various court sports including but not limited to pickleball, team handball, badminton, and tennis.

147 Weight Training. (1) Includes learning skills of beginning weight training through familiarity with various types of strength training machines.

149 Stress Management and Relaxation Techniques. (1) Designed to help one learn causes, consequences of, and techniques for handling stress through a systematic mind-body approach. Progressive muscle relaxation, autogenic training, visualization, deep breathing, as well as other techniques will be taught to help relieve stress and muscle tension.

150 Outdoor Sports. (1) Beginning level skills, techniques, and rules used to play various field sports including but not limited to Frisbee, flag football, soccer, and softball.

151 Basketball. (1) Includes basic skills, strategies, and rules for games of basketball.

154 Football. (1) Skills, strategy, and rules of play.

155 Soccer. (1) Skills, strategy, and rules of play.

158 Volleyball. (1) Includes basic skills, strategies, and rules for the game of volleyball.

170 Introduction to Exercise Science. (3) An introduction to concepts of physical wellness with an emphasis on fitness and eating strategies. Designed to help students develop an understanding of the field of Exercise Science.

194 Introduction to Sports Health and Wellness. (1) Overview of allied health disciplines, legal guidelines, and ethical principles as related to sports health and wellness.

208 Advanced Open Water Scuba. (2) Students will learn to navigate underwater and dive at night. Each student will also choose three scuba specialty areas to gain diving experience. Certification available, but not required. Must have a current scuba physical exam on file. *Prerequisite: KIN 108 or permission of instructor. Additional charge for this course.*

247 Olympic Weightlifting. (1) Designed to enhance the individual's power development and overall performance as well as increase the student's knowledge of plyometric training and Olympic lifting techniques.

270 Motor Behavior. (3) Introduction to psychomotor learning and theoretical models of skill acquisition. Selected topics will include neurological structure and function, theory of motor control, scheduling of practice, use of feedback, and motor coordination.

271 Principles of Coaching. (3) Theory and methodology relevant to coaching at any competitive level. Course content will focus on preparation for American Sport Education Program (ASEP) Certification credential necessary to coach scholastic sports in Illinois and other states.

272 Coaching Practicum. (1) 40 clock hours of observation and practice in coaching under direct supervision of scholastic or collegiate level coach. *Prerequisites: KIN 271.*

286 Functional Anatomy and Physiology. (3) Introduction of principles and application of anatomy, physiology, and biomechanics for sport and physical activities.

290 Anatomy & Physiology I. (3) An examination of the structural organization and function of the human body with an emphasis on the integumentary, skeletal, muscular, nervous, and cardiovascular systems. *2 hrs. lect.; 2 hrs. lab.*

291 Anatomy & Physiology II. (3) A study of normal human anatomy and physiology. Topics include respiration, digestion, metabolism, urology, special senses, reproduction, and endocrinology. *2 hrs. lect.; 2 hrs. lab.*

293 Manual Muscle Testing. (2) This course will offer the student a practical experience in assessing muscular strength, endurance, and neurological deficits using manual testing procedures. These skills are critical within the practice of athletic training, physical therapy, occupational therapy, exercise science, and fitness. *Prerequisite: KIN 290 or permission of instructor. 1 hr. lect.; 2 hrs. lab.*

294 Management of Athletic Injuries. (3) The role of the coach in preventing sport injuries, recognizing injury mechanisms, and providing emergency care. Laboratory sessions emphasize wrapping, taping, and emergency first aid. Includes Red Cross First Aid and CPR training and certification. *Additional charge for this course. 2 hrs. lect.; 2 hrs. lab.*

300 Fitness for Older Adults and Special Populations. (3) Development of leadership skills, assessment techniques, and program designs necessary to be an effective fitness professional for older adults and selected special populations (e.g., arthritis, asthma, obesity, fibromyalgia, etc.). Students will be involved in hands-on learning. *Prerequisites: KIN 391 and CPR certification; or permission of instructor. Additional charge for this course.*

308 Scuba Diving Specialties. (2, repeatable to 4) Instruction in rescue and at least two other diving specialties (e.g., deep, night, dry suit, ice, cave, wreck) within the realm of recreational scuba diving. Certification available, but not required. Must have a current scuba physical exam on file. *Prerequisites: KIN 208 with certification or permission of instructor. Additional charge for this course.*

319 Exercise Psychology and Stress Management. (3) Theories, concepts, and principles of exercise psychology and stress management will be covered with focus on skills necessary to be an effective exercise psychologist and fitness and wellness professional of stress management techniques. *Prerequisite: junior or senior status.*

343 Cardiovascular Exercise Principles and Assessment. (3) Development of leadership skills and assessment techniques for cardiovascular exercise. Principles will focus on the theories and skills necessary to develop and lead appropriate cardiovascular programs. *Prerequisite: KIN 391 or permission of instructor.*

346 Candidate Physical Ability Test Preparation for Firefighters. (2) The knowledge and physical activities required for the successful completion of the Candidate Physical Ability Test for firefighters will be simulated and practiced in this course. *Prerequisites: FS 300, 301, or permission of instructor.*

347 Strength and Conditioning Principles and Methods. (3) Development of leadership skills and assessment techniques for resistive exercise. Principles will focus on the skills necessary to be an effective fitness professional of resistive exercise and other weight training techniques. *Prerequisites: junior or senior status.*

359 Sport Psychology. (3) An introduction to sport psychology theories and research including application to performance enhancement. Selected topics include motivation, confidence, stress and anxiety, team dynamics, performance enhancement, and professional and ethical issues. *Prerequisite: junior or senior status.*

369 Motor Development. (3) A study of the process of change in perception, acquisition, and performance of physical skills across the lifespan. *Prerequisites: KIN 270. 2 hrs. lect.; 2 hrs. lab.*

370 Advanced Techniques of Performance/ Management. (1, repeatable to 6 for different subjects/performance) *Prerequisite: permission of instructor. Graded S/U only.*

384 Field Experience in Sports Health I. (1, repeatable to 2) Minimum of 30 hours at an assigned on-campus field experience with a focus in sports health and wellness, providing care to student-athletes during practices or events while under the supervision of an Athletic Trainer. *Prerequisite: KIN 294 or permission of instructor.*

391 Physiology of Exercise. (3) A study of the physiological responses to exercise including acute effects, training adaptations, and health related benefits. Specific topics covered include exercise metabolism, neurological and endocrine regulation of exercise, cardiovascular and respiratory physiology, environmental influences, and ergogenic aids. *Prerequisite: KIN 290 or equivalent, or permission of instructor. Laboratory charge for this course. 2 hrs. lect.; 2 hrs. lab.*

392 Biomechanics. (3) The integrated study of applied anatomy and applied mechanics to the analysis of human motion. *Prerequisite: KIN 290 and MATH 123 or equivalent. 2 hrs. lect.; 2 hrs. lab.*

396 Surface Palpations and Manual Muscle Testing. (2) Hands-on assessment of anatomical landmarks and muscle function through palpation and manual muscle testing skills. These skills are critical within the practice of athletic training, physical therapy, occupational therapy, and exercise science. *Prerequisite: KIN 286 or equivalent, or permission of instructor.*

397 Injury Recognition. (3) Instruction on how to recognize an injury and understand the severity using appropriate classifications. Common terminology unique to the sports healthcare world will be addressed. *Prerequisite: junior or senior standing or permission of instructor.*

400 Internship. (12) An internship in an approved program; designed as laboratory field experiences for practical application of knowledge and theory in a professional setting. *Prerequisite: 2.5 GPA in the major, C- or better in all KIN coursework, and permission of instructor.*

401 Senior Seminar in Exercise Science. (2) Practical and theoretical information for professional career situations. *Prerequisites: senior standing; Exercise Science major.*

408 Divemaster. (2, repeatable to 4) Students complete supervised dives, perform dive briefings, act as safety/rescue divers, and lead underwater tours to learn to be responsible Divemasters and eligible for employment. Must have a current scuba physical exam on file. Divemaster certification available, but not required. *Prerequisites: KIN 308, Dive Rescue certification, or permission of instructor. Additional charge for this course.*

440 Exercise Stress Testing. (3) Designed to provide an in-depth study of the theories, concepts, procedures, and techniques of exercise stress testing. *Prerequisites: KIN 391 and CPR Certification. Additional charge for this course.*

444 Exercise and Wellness Programming. (3) Administration of exercise science and wellness programming with special attention given to leadership skills and assessments necessary to direct exercise and wellness programs. *Writing Instruction in the Disciplines (WID) course. Prerequisites: junior or senior standing; ENG 180 and 280.*

450 Professional Workshops in Sport and Exercise. (1–3, repeatable to 6) Examination and analysis of current topics, trends, or problems in sport and exercise. Content varies according to contemporary issues. *Prerequisite: junior standing or permission of instructor.*

451 Basketball Coaching. (2) Beginning and advanced strategies for coaching basketball at the high school and collegiate levels.

454 Football Coaching. (2) Beginning and advanced strategies for coaching football.

459 Individual/Team Sport Coaching. (2, repeatable to 4 for different topics) Beginning and advanced strategies for coaching individual or team sports other than basketball, football, or volleyball (e.g., tennis, golf, swimming, soccer, baseball, softball, or track and field). *Prerequisite: junior or senior standing.*

460 Observation and Practice. (1, repeatable to 2 for different topics) Preservice practical experiences in Kinesiology activity courses under the supervision of staff. *Prerequisite: permission of instructor.*

463 Personal Training. (2) Provides practical application of theoretical information in

personal training for Exercise Science students. *Prerequisites: 2.5 GPA in major and senior status—majors only.*

464 Field Experience in Exercise Science. (1) A 30-hour field experience in Exercise Science settings for the practical application/observation of theory and skills. *Prerequisites: junior or senior standing and permission of instructor.*

466 Organization and Administration of Athletic Teams. (3) Study of administrative principles, policies, laws, and ethics as they relate to budget, finance, equipment, staff, facilities, and public relations for the management and promotion of athletic teams. *Prerequisite: junior or senior standing.*

470 *(Cross-listed with WS 470)* Gender and Sport. (3) Examines relationships between gender, sport, and physical activity. Gender is examined within the context of stereotypes and the structure/philosophy of sport and physical activity. Sport and physical activity are investigated as social institutions relative to cultural constructions of gender. *Not open to students with credit in WS 470. Prerequisite: WS 190 or permission of instructor.*

471 Practicum in Coaching. (1) 40 clock hours of observation and practice under the supervision of a middle school or high school teacher, coach, or outside agency administrator. *Prerequisites: KIN 451, 454, or 459, and permission of instructor. Observation and coaching will be required in an outside setting.*

472 Coaching Internship and Capstone. (3) A 120 clock hour coaching capstone experience under the supervision of a coach and university supervisor. Students will help prepare a team for competition, manage a team culture, and evaluate athlete performance. *Prerequisite: KIN 271.*

473 Practicum in Adapted Physical Activity Motor Clinic. (1, repeatable to 4) Interdisciplinary practicum experience (30 hours per semester) working with PreK–12 students with disabilities in a physical activity setting. Students will get hands-on experiences along with opportunities for collaboration with undergraduate and graduate students from various majors across campus. *Prerequisites: SPA 381, SPA 385, PETE 393, PSY 221, RSTA 251, SPED 210, or permission of instructor.*

484 Field Experience in Sports Health II. (1, repeatable to 2) Minimum of 30 hours at an assigned on- or off-campus field experience with a focus on sports health and wellness, providing care to student-athletes during practices or events while under the supervision of an Athletic Trainer. *Prerequisite: KIN 294 and 384, or permission of instructor.*

485 Independent Study. (1–3, repeatable to 3 for different topics) Individualized study of a particular topic or problem in the field of Kinesiology. *Prerequisite: permission of instructor. Student must secure approval for independent study prior to semester registration.*

490 Honors Thesis in Kinesiology. (3) Independent thesis project resulting in a substantial original research paper and oral presentation. Students will work under the direction of one or more Health/Nutrition faculty members who will oversee and evaluate the project. *Prerequisites: junior or senior honors major in Kinesiology, approval of thesis advisor(s).*

494 Advanced Techniques for Injury Management. (3) Techniques in sports health and wellness for advanced emergency care, rehabilitation of injuries, and application of protective equipment. *Prerequisite: KIN 294 or permission of instructor.*

496 Advanced Sports Health and Wellness. (2) Concepts covering general medical conditions, pharmacology, target populations, and crisis management in the sports health and wellness industry. *Prerequisite: junior standing or permission of instructor.*

LANGUAGE ARTS (LA)

250 *(Formerly SPED 250)* Language Development. (2–3) Exploration of typical and atypical language development, birth–age 21, including the stages of language acquisition and the varying rates at which children progress. This course also examines the effects of disabilities, culture, and linguistic diversity on language development. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: EDS 110.*

311 *(Formerly LLA 311)* Literature for Young Children. (2) A survey of literature for children birth through grade two. Selecting books in various genres through critical analysis and evaluation is emphasized. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: fully accepted into the Teacher Education Program (TEP).*

313 *(Formerly LLA 313)* Children's Literature. (2–3) Survey of literature for children from birth through grade 6 with emphasis on critical analysis and evaluation of books in various genres. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: LA 250.*

367 *(Formerly LLA 367)* Language Arts in the Middle Level. (3) A study of communication skills: listening, speaking, reading, writing, and vocabulary; a comparison of current teaching methods and materials; and emphasis on the language arts as the core of the middle grades curriculum. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: junior standing or permission of School Director or Program Coordinator; fully accepted into Teacher Education Program (TEP).*

382 *(Formerly RDG 382)* Literacy Development: Birth through Preschool. (2) Focuses on both methods and content for fostering and assessing literacy development in children from birth through the preschool years in a variety of settings. The course will address the diverse needs of preschool children through differentiation. *A minimum grade of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: ECH 271, 273; fully accepted into Teacher Education Program (TEP).*

383 *(Formerly RDG 383)* Literacy Instruction in the Early Grades. (3) Introduction to developmentally appropriate methods for teaching and assessing reading, writing, speaking, and listening in early elementary classrooms, adapting these methods to meet the individual needs of diverse groups of children, and applying these methods in a classroom. *A minimum grade*

of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: permission of School Director or Program Coordinator.

384 *(Formerly RDG 384)* Literacy Instruction in the Intermediate Grades. (3) A focus on methods of literacy instruction and assessment appropriate for intermediate/middle level classrooms, with adaptations to meet the individual needs of diverse groups of children and opportunities to apply these methods in a classroom. *A minimum grade of C- is required of Teacher Education majors. Writing Instruction in the Disciplines (WID) course. Prerequisites: LA 383; fully accepted into Teacher Education Program (TEP).*

387 *(Formerly RDG 387)* Literacy Instruction in Content Areas. (2) This course develops an understanding of principles of reading, writing, and oral communication instruction needed to scaffold comprehension of content area texts. It includes a focus on academic language and the identification of language demands embedded in instruction. *Not open to Elementary Education or Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 301.*

388 *(Formerly RDG 388)* Disciplinary Literacy Instruction in the Middle Grades. (3) Focuses on disciplinary literacy development in the middle grades. Includes vocabulary, comprehension, writing to learn, and study strategies for disciplinary teachers. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: junior standing or permission of School Director or Program Coordinator; fully accepted into Teacher Education Program (TEP).*

432 *(Formerly RDG 432)* Introduction to Corrective Reading in the Early Childhood Years. (2) Methods and content for assessing and instructional procedures for correcting the reading and writing difficulties of primary-aged children in the regular classroom setting. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: LA 382, 383; LA 311 or 313; fully accepted into Teacher Education Program (TEP).*

433 *(Formerly RDG 433)* Introduction to Corrective Reading, K–8th Grade. (3) A course emphasizing group and individual identification and instructional procedures for corrective reading in primary-aged, elementary grades, and middle level. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 301, LA 313, LA 383, and either LA 384 or RDG 584*, or permission of School Director or Program Coordinator; fully accepted into Teacher Education Program (TEP). (* If taking LA 433G.)*

434 *(Formerly RDG 434)* Literacy Assessments and Interventions for the Middle Level. (3) Focuses on methods for data-driven decision making, formative and summative assessments and problem-solving processes to monitor student progress. Multi-Tiered Systems of Support will provide the basis for possible interventions for readers in the middle school grades. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: LA 388; fully accepted into the Teacher Education Program (TEP).*

443 *(Formerly LLA 443) (Cross-listed with ENG 443)* Creative Uses of Literature for Children and Young Adults. (3) Presents the development of effective programs in informal and formalized interpretive experiences for children and young adults, emphasizing individual creativity and sources for materials. *Not open to students with credit in ENG 443. Prerequisite: LA 313.*

467 *(Formerly RDG 467)* Critical Literacy for the Middle Level. (3) Focuses on the integration of 21st century technology competencies in the exploration and application of project-based learning. Middle level literacy teaching candidates' knowledge of literacy content, concepts, and skills are assessed through engagement in this process. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: LA 384 and 388; EDS 403; fully accepted into the Teacher Education Program (TEP).*

LAW ENFORCEMENT AND JUSTICE ADMINISTRATION (LEJA)

101 Survey of Criminal Justice. (3) Administration of justice in the United States with emphasis on the total system of police, courts, corrections; loss prevention, and principles of law. *LEJA majors must earn a grade of C or better in this course.*
IAI: CRJ 901.

201 Juvenile Justice. (3) Definitions of delinquent behavior; development and trends in the juvenile court movement; laws and procedures; the adjudication process—philosophy and practices; causation, prevention, treatment, and control. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better.*
IAI: CRJ 914.

202 Introduction to Corrections. (3) Study of the history, theory, and practice of probation, parole, and correctional institutions, exploration of punishment rehabilitation, and correctional policies. *Prerequisite: LEJA 101 with a grade of C or better; permission of the instructor.*

205 Traffic Administration. (3) Basic principles of traffic control, education, engineering, and enforcement; practical applications to traffic control and administration; current research techniques. *Prerequisite: LEJA 101 with a grade of C or better.*

208 Security Methods and Technologies. (3) Establishes a critical understanding of security, life-safety devices, equipment, and technologies integrated into a total protection approach for reducing risks and preventing organizational losses. Discussion centers on CPTED strategies, risk assessments, surveillance, detection systems, and various physical controls.

212 Criminal Law. (3) The study of legal terminology and definitions of crimes, criminal procedures, criminal responsibility, analysis of crimes and their proof in the context of practical fact situations. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better.*

230 Principles of Terrorism. (3) Overview of terrorism, including: definition, root causes, ideologies, historical and current perspectives, modus operandi and targets, radicalization and recruitment, terrorist group structures,

terrorists in the economic system, domestic and international terrorist groups, state sponsors, and counterterrorism.

231 Foundations of Homeland Security. (3) Overview of homeland security and its implications. Administrative, legislative, and operational entities developed for the protection of the United States. Strengths and weaknesses of this framework are addressed. The roles of industry and non-profits in homeland security framework are discussed.

255 Crime Scene Investigation. (3) Criminalistics overview addressing law enforcement responsibilities for and activities of crime scene investigation, evidence collection, and applicable forensic sciences. *LEJA majors must earn a grade of C or better in this course. Prerequisite: LEJA 101 with a grade of C or better, or permission of the instructor.*

300 Writing in Law Enforcement and Justice Administration. (3) Instruction and experiences in writing professional criminal justice reports. *Prerequisites: junior standing or permission of the instructor.*

302 CJ Research Methods. (3) This introductory criminal justice course examines the procedures and principles involved in experimental, quasi-experimental, correlational, and other research. Problem formulation, literature review, measurement issues, sampling, research design, data analysis, and report writing using APA format will be explored. *LEJA majors must earn a grade of C or better in this course. Prerequisites: junior standing or permission of the instructor.*

303 Quantitative Techniques for Criminal Justice. (3) Introduction to statistical methods useful for analyzing data most often encountered in criminal justice research. Students will conduct data analysis using computer software with the emphasis on the proper application and understanding of descriptive and inferential statistics for policy-making purposes. *LEJA majors must earn a grade of C or better in this course. Prerequisites: any WIU or IAI General Education mathematics course (MATH 101, 102, 123, or STAT 171), and junior standing; or permission of the instructor.*

306 Organization and Administration in Criminal Justice. (3) Fundamental overview of criminal justice organization and administration; organization structure, demands, and situations; emphasis on the role of the criminal justice administrator in policy formulation in the community. *LEJA majors must earn a grade of C or better in this course. Prerequisites: LEJA 101 with a grade of C or better, and junior standing; or permission of the instructor.*

309 Security Administration and Management. (3) Emphasis on security leadership and management skills necessary for risk-based protection within public and private security sectors. Subject areas include risk identification; operational effectiveness; internal investigations; and risk management principles needed for total assets protection within a global business environment. *Prerequisite: LEJA 208 and junior standing; or permission of the instructor.*

312 Criminal Procedure. (3) Emphasis on constitutional rights and constitutional policing; special emphasis on amendments to the Constitution as related to the rights of the individual. *LEJA majors must earn a grade of C or better in this course. Prerequisites: LEJA 212 with a grade of C or better, and junior standing; or permission of the instructor.*

313 Correctional Law. (3) Introduction to legal issues in corrections, with an emphasis on civil and criminal liability for correctional staff and administrators regarding prisoners' rights. *Prerequisites: LEJA 101 with a grade of C or better; permission of the instructor.*

332 Terrorism Financing and Responses. (3) Provides an overview of terror financing activities and industry, government, and non-governmental responses. The critical nature of financing schemes, disparate methodologies, and costs associated with terrorism will be identified. Connections with other criminal activity and global responses will be analyzed. *Prerequisites: LEJA 230 and junior standing; or permission of the instructor.*

333 Terrorism Investigations. (3) This course provides insights into the challenging and varied facets of investigating domestic and international terror groups, terrorists, and terror incidents. *Prerequisites: junior standing and LEJA 230, or permission of Instructor, School Director, or Program Director.*

345 Diversity, Ethics, and Professionalism in Criminal Justice. (3) This course is designed to familiarize students with concepts related to cultural diversity and the ethics/morality of criminal justice practitioners in the U.S. It identifies specific issues that are recurrent and problematic and suggests possible solutions for practitioners. *LEJA majors must earn a grade of C or better in this course. Prerequisites: junior standing or permission of the instructor.*

355 Basics of Criminal Investigation. (3) Examination of the history, basic techniques, analysis, and procedures unique to criminal investigations in the law enforcement field. *Prerequisites: LEJA 255 with a grade of C or better, and junior standing; or permission of the instructor.*

357 Theories of Crime. (3) An interdisciplinary overview of criminological theories with an emphasis on the causes of crime, the etiology of criminal offenses and offenders, and how each affects evidence-based policy, research, and regulations in the field of criminal justice. *LEJA majors must earn a grade of C or better in this course. Prerequisites: LEJA 101 with a grade of C or better, and junior standing; or permission of the instructor.*

404 Independent Study. (1–3, repeatable to 9) Individual selected program of supervised group or individual study dealing with some phase of criminal justice administration. *Open only to qualified students. Prerequisites: permission of Instructor and either School Director or Program Director, senior standing, and a C+ overall GPA prior to enrollment.*

412 Evidence. (3) Advanced study of criminal law and procedure; concentration on evidence rules; trial procedure, testifying, rules of admissibility of evidence into trial, pre-trial discovery. *Prerequisites: LEJA 312 with a grade of C or better, and junior standing; or permission of the instructor.*

413 Civil Law. (3) The study of civil law and procedure; problems of citizen arrest, search, and interrogations. Emphasis on civil/criminal liability of private employers and executive branch employees while engaging in enforcement, protection, and investigatory activities, including tort immunity, policy, and oversight. *Prerequisites: LEJA 312 with a grade of C or better, and junior standing; or permission of the instructor.*

414 Legal Aspects of Homeland Security and Terrorism. (3) This course covers the legal aspects of terrorism and homeland security including domestic, foreign, and international legislation and cases. Other civil and criminal legal matters and public policy relating to terrorism/homeland security will be addressed. *Prerequisites: LEJA 231 and junior standing; or permission of the instructor.*

415 Privacy, Technology, and Law. (3) This course examines the controversial developments in technology, legislative enactments, and governmental policy that challenge and shape traditional expectations of privacy. Surveillance strategies impacting public safety, health, law enforcement, consumer and personal selections, property rights, and family matters are discussed. *Prerequisite: junior standing or permission of the instructor.*

416 Terrorism and Law Enforcement. (3) Discusses law enforcement risks and responses in relation to terrorist activities. Counterterrorism policing theories and U.S. law enforcement experiences with terrorism are addressed. Law enforcement experiences overseas are shared. Case studies in this realm are analyzed. *Prerequisites: LEJA 230 and junior standing; or permission of the instructor.*

430 White-Collar Crime. (3) Analysis of types of white-collar crime (occupational, economic, political, and corporate). Emphasis also on statutes, investigation, and sentencing of offenders. *Prerequisite: junior standing or permission of the instructor.*

431 Organized Crime. (3) Historical and contemporary review of organized criminal groups with emphasis on structure and range of activities. Analysis of laws and successful investigations and prosecutions of organized crime figures and families. *Prerequisite: junior standing or permission of the instructor.*

440 Seminar on Current Issues in Policing. (3) Discussion of emerging issues in American policing. Emphasizing the pillars of policing: building trust and legitimacy through transparency, policy and oversight, community policing, cultural competency, de-escalation and use of force policies, and best practices for recruitment, training, and diversity. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280 and junior standing; or permission of instructor.*

441 Seminar on Current Issues in the Court System. (3) Examination of the structure and functions of courts, including informal and formal aspects of judicial process. Emphasis on organizational as well as legal roles. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, LEJA 212 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

442 Seminar on Current Issues in Corrections. (3) Ideological and pragmatic justification for punishment and imprisonment; sentencing trends and alternatives to incarceration; organization and management of correctional institutions; inmate life, prisonization; treatment and custody; discharge and parole. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

443 Seminar on Current Issues in Security. (3) Discussion of cutting-edge protection requirements, trends, and movements in the public and private sectors. Emphasis on results-oriented security management practices using comprehensive protection plans designed to reduce organizational risks and vulnerabilities. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 208 and 309 and junior standing; or permission of the instructor.*

444 Seminar on Current Issues in Probation and Parole. (3) The process of probation and parole in terms of its historical development, philosophy, and standards. Concepts and problems in administration, organization, investigation, and supervision. Selection and discharge process will be examined. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LEJA 201 with a grade of C or better, ENG 280, and junior standing; or permission of the instructor.*

455 Advanced Criminal Investigation. (3) Course explores specialized information and techniques in dealing with victims with trauma, various detection and deception methods as they relate to interrogation, profiling, and crime classification. *Prerequisites: LEJA 355 and junior standing; or permission of the instructor.*

490 Internship in Law Enforcement. (9–12) Off-campus practical work experience in an appropriate field. Seminars and written reports required. *Prerequisites: approval of Internship Coordinator, School Director, or Program Director; and 2.25 GPA overall and a 2.50 GPA in LEJA major at time of application (semester prior to internship), and during internship. Internship application must be made during the first month of the semester prior to actual internship (i.e., Spring internship—application made in September; Summer/Fall internship—application made in January). Internship application is made by attending a mandatory internship meeting the semester prior to the internship. Corequisite: LEJA 491. Graded S/U only.*

491 Internship Summary. (3) Projects designed to bring together all experiences acquired during internship for discussion and analysis. A complete overview of the criminal justice system as observed by interns. *Corequisite: LEJA 490.*

493 *(Cross-listed with CSEC/IS 493)* Topics in Cybercriminology. (3) Topics to include additional depth, readings, and/or examination of research trends in cybercriminology, emphasizing interdisciplinary perspectives. Explore technological, legal, motivational, and organizational issues shaping cybercrime. *Not open to students with credit in CSEC/IS 493.*

497 Senior Comprehensive Exam. (0) A comprehensive exam administered to all seniors majoring in Law Enforcement and Justice

Administration. *Prerequisite: senior standing. Graded S/U only.*

499 Honors Internship Project. (3) The preparation of a major written work involving analysis of appropriate scholarly literature applied within the context of the internship experience. *Corequisite: LEJA 490.*

LIBERAL ARTS AND SCIENCES (LAS)

195 Introduction to Liberal Arts and Sciences. (3) (Multicultural) A comparative introduction to the major areas of the liberal arts and sciences, covering their evolution and distinctive approaches to problems. Addresses how the study of race, gender, religion, and multiculturalism informs and is embedded within each field.

210 Engaging Multiculturalism. (3) (Multicultural) An interdisciplinary study of cultural identities, values, and interaction of diverse groups. Among the concepts explored will be race, ethnicity, gender, religion, class, sexual orientation, ableism, and age.

298 Individual Studies. (1–3) Special projects in interdisciplinary studies carried out under the supervision of a faculty member.

395 Evidence, Truth, and Action. (3) An interdisciplinary course that integrates humanities and social scientific methods for evaluating evidence, identifying and exposing misinformation, and interpreting claims of truth. Includes vocational assessment, professionalization, and connection of research strategies to action. *Prerequisite: LAS 195 with a grade of C or better, or consent of instructor.*

420 Senior Seminar in Cannabis and Culture. (3, repeatable to 6 for different topics) Examination of various issues related to cannabis, culture, history, and politics. See course schedule for description. *Prerequisite: ANTH 180 or REL 180 or permission of instructor.*

495 Liberal Arts and Sciences Senior Capstone. (3) Capstone course for the Bachelor of Liberal Arts and Sciences degree. Students will study examples of scholarship from a multidisciplinary perspective, research and present an interdisciplinary solution to a significant problem, and prepare a self-reflective academic personal narrative. *Writing Instruction in the Disciplines (WID) course. Prerequisites: LAS 195, ENG 280, senior standing, and permission of the Program Director.*

496 Internship. (1–6, repeatable to 6) An internship provides LAS majors the opportunity to gain practical experience and apply their interdisciplinary skills and training through observation and interaction in a professional environment connected to their career interests. *Prerequisites: LAS major, junior or senior standing, and permission of the Program Director. Graded S/U only.*

498 Individual Studies and Experiential Learning. (1–3) Special projects in interdisciplinary studies or experiential learning carried out under the supervision of a faculty member.

MANAGEMENT (MGT)

125 Business and Technology in a Global Society. (3) A comprehensive overview of global business principles, practices, and trends that are reshaping today's business and affecting tomorrow's competitive environment. Consideration of the impact of technology, ethics, diversity, culture, and various emerging issues on all business disciplines.

349 Principles of Management. (3) Study of the managerial process in an organizational setting with emphasis on decision making, planning, organizing, and controlling including discussion of motivation, leadership, communication, and interpersonal dynamics in an organization context.

350 Leadership and Organizational Behavior. (3) Explores how and why employees behave in organizations by examining personality, attitudes, emotions, and values. Emphasizing leadership, it equips students to motivate and manage people effectively through leadership and motivation theories, decision-making, team dynamics, and organizational change. *Prerequisite: MGT 349.*

352 *(Cross-listed with OM 352)* Operations Management. (3) Foundations for Operations Management as practiced in contemporary organizations. Focus is on the efficient and effective value-adding transformation of inputs into goods and services in both internal and external value chains. Extensive use of mathematics and statistics is involved. *Not open to students with credit in OM 352.*

400 Management Internship. (3–12, repeatable to 12) Work experience in an organization involving training in management-related areas. Intern will be supervised by a faculty coordinator and a supervisor in the organization. Reports of work experience are submitted to the coordinator. *These hours cannot be applied toward meeting the requirements for the Management minor. A maximum of 3 s.h. may be applied toward the requirements for the Management option. Prerequisites: MGT 349 with a C or higher, enrolled in Management option or minor, junior standing, minimum 2.5 GPA, and written approval of School Director or Program Director. Graded S/U only.*

445 Managing Organizational Change. (3) Examines organizational change, development, and how effective change agents initiate, lead, and sustain change efforts. Highlights drivers of change, how individuals process and respond to it, and why organizational culture and structure matter. *Prerequisite: MGT 350.*

448 Business Organization Structure/Theory. (3) Explores the influence of organization structure on behavior by examining such topics as technology, environment, bureaucracy, effectiveness, and power. Course includes case analysis and small group activities. *Prerequisite: MGT 349.*

455 Total Quality Management. (3) A study of theoretical principles and practical applications of total quality management in service and manufacturing settings. Addresses quantitative and managerial foundations for Statistical Process Control, Process Capability, Six-Sigma Quality, ISO9000, and the Malcolm Baldridge

National Quality Award procedures. *Prerequisite: MGT/OM 352 and STAT 171.*

460, 461, 462 Independent Research in Management I, II, and III. (1–3 each, not repeatable) Independent research study of an approved topic. *For selected Management majors. Prerequisites: a cumulative GPA of 2.50 or above and permission of the School Director or Program Director is required.*

472 Entrepreneurship: Innovation and Creativity. (3) The course looks at the basic concept of entrepreneurship, types of entrepreneurial opportunities, creativity and innovation, testing the idea, and early business stage processes. Ethical, legal, and moral issues relating to entrepreneurship will be addressed. *Prerequisite: MKTG 327.*

474 Entrepreneurship and Small Business Management. (3) This course provides aspiring business owners and those interested in small business management with a foundation for planning and launching a small enterprise. Topics include business plan development, identifying key resources for planning, and essential operational strategies for successful entrepreneurship. *Prerequisite: MGT 349.*

481 Business Ethics and Responsibility to Society. (3) Explores ethical decision-making and the responsibility of businesses to society. Topics include ethics, corporate governance, social responsibility, stakeholder management, sustainability, and government regulations. Students will learn how organizations can operate ethically and responsibly while balancing social impact and profitability. *Prerequisite: MGT 349.*

483 Managing Organizations for Environmental Sustainability. (3) Studies how businesses and other organizations can become more environmentally sustainable, emphasizing sustainability management practices/methods. Includes background coverage of sustainability, ecological principles, and environmental problems and philosophies, organizations' environmental impacts, and government policy approaches. Includes a project to improve organization sustainability. *Prerequisite: MGT 349 or permission of instructor.*

485 International Management. (3) (Multicultural) The study of managing people and organizations in a multicultural global environment. Topics include the management functions of planning, organizing, leading, and controlling as they apply to strategy formulation, decision-making, cross-cultural organizational behavior, global teams, and intercultural communication. *Prerequisite: MGT 349.*

490 Business Strategy. (3) This capstone course integrates functional perspectives in a general manager's view of organizational competition under uncertainty; explores frameworks analyzing external environments and firm resources; building and sustaining competitive advantage; and develops skills in designing, communicating, and implementing strategies. *Prerequisites: senior business major; 12 s.h. in major area; and FIN 311 or 331, MGT 349, and MKTG 327. Corequisite: BAT 490.*

MARKETING (MKTG)

317 International Business. (3) (Multicultural) Introductory review of global business with an emphasis on the role of marketing. Course examines issues of international trade and business, and impacts of economy, culture, laws, politics, competition, and technology. Students learn to develop effective international business strategies.

327 Marketing Principles. (3) An examination of the functions of marketing and their impact on businesses. Students learn about the marketing process, development, pricing, promotion, and distribution of goods and services and apply marketing principles to business situations. *Prerequisite: ACCT 200 or ACCT 201 or ECON 232 or junior standing.*

329 Marketing Research. (3) This course concentrates on conducting marketing research to solve diverse marketing problems. Students will learn how to use tools and techniques for determining problems, gathering and processing market data, analyzing date, interpreting results, and reporting research findings and recommendations. *Prerequisites: MKTG 327 and STAT 171 or equivalent.*

333 Consumer Behavior. (3) The application of behavior science concepts and methods to the solution of marketing problems and the development of marketing strategies. Psychological and socio-cultural factors are examined in relation to the consumer decision-making process. *Prerequisite: MKTG 327.*

335 Professional Selling. (3) Learning to develop and apply essential professional selling skills through the use of interpersonal communication to effectively market yourself and the organization you represent. Basic concepts, processes, and techniques for selling, including customer analysis, prospecting, developing rapport, handling objections, customer service, and other related areas. *Prerequisite: MKTG 327.*

337 Services and Product Marketing. (3) Analyze marketing of services and products from a managerial and consumer perspective using key concepts to create a competitive advantage. Students will apply these skills in developing a new service entity. *Prerequisite: MKTG 327.*

371 Internet Marketing. (3) The course provides an in-depth knowledge of strategies and tactics used by organizations to conduct online marketing. An examination of how businesses use the Internet to sell and support products and services and communicate effectively to stakeholders. *Prerequisite: MKTG 327.*

400 Marketing Internship. (1–12, repeatable to 12) Integrates marketing theories with application to actual business practice. All internships are supervised by a faculty coordinator and an executive in the business firm. In order to receive maximum credit, the student must be in a full-time position for a minimum of 16 weeks. Proportional credit will be granted for internships of shorter duration or with less working hours. *These hours cannot be applied toward meeting the requirements for a Marketing minor. Prerequisites: enrolled in Marketing option or minor, minimum junior standing, 2.75 GPA, 9 s.h. of Marketing coursework, and written approval of*

School Director or Program Director. Graded S/U only.

417 International Marketing. (3) (Multicultural) Examine marketing practices in the global environment. Emphasis is on analysis of the cultural, political, economic, legal, technology, and other factors affecting international marketing operations. Students learn how to develop marketing plans and strategies for marketing at an international level. *Prerequisite: MKTG 327.*

421 Seminar in Marketing Technologies. (3) The course examines the latest technological advancements being deployed by marketers. Students evaluate the impact of marketing technologies and learn best practice frameworks for developing effective digital marketing strategies. *Prerequisite: MKTG 327.*

429 Marketing Measurement and Pricing. (3) The course provides students with skills to measure the effectiveness of marketing strategies. Special emphasis is given to the price component of the marketing mix. Computation, application, and interpretation of commonly used marketing measurements are addressed to evaluate marketing decisions. *Prerequisite: MKTG 327.*

431 Direct Marketing Management. (3) The course examines concepts, strategies, and tools of marketing directly to consumers. Students acquire skills in developing effective, direct response to marketing initiatives. Emphasis is on measurement and management of market data, and integration of direct and brand building marketing. *Prerequisite: MKTG 327.*

433 *(Formerly MKTG 331)* Promotional Strategies. (3) Emphasis on discussing effective ways to implement integrated marketing communications. Attention is given to the in-depth treatment of different types of promotional elements. Students learn through exposure to consumer theories how to develop, implement, and evaluate effective communication strategies. *Prerequisite: MKTG 327.*

441 Customer Relationship Management. (3) The course examines the concepts, strategies, and tools of developing and sustaining customer experiences and relationships for competitive advantage. Students develop skills in creating effective customer relationship management strategies. *Prerequisite: MKTG 327 or SCM 311.*

460, 461 Independent Study in Marketing. (1–3 each, not repeatable) The student works with a Marketing professor to pursue an investigation of special Marketing interest. *Prerequisites: Marketing major or minor, 2.75 GPA or higher, 12 s.h. of Marketing coursework, written permission of the Instructor and either the School Director or Program Director.*

479 Marketing Practicum in Survey Research. (3) Student will work one-on-one with a faculty member on a research project in survey research. This course brings together the theory and practice of survey research methods. *Prerequisites: Successful completion of MKTG 329.*

497 Marketing Management. (3) A critical discussion of the strategies, processes, and tools of marketing. The emphasis is on integration of the components of marketing strategy for customer satisfaction and company profitability. Students experience and learn how to manage a dynamic marketing environment. *Prerequisites: MKTG 327, an additional 6 s.h. of Marketing coursework, and senior standing.*

MATHEMATICS (MATH)

The symbol # preceding the course number in MATH 100, 101, 102, 113, 123, 128, 129, 137, 139, 260, 362, 364, 367, 402, 406, and 407 indicates that these courses do not count toward the major or minor in Mathematics.

#100 Core Competency in Mathematics. (4) Application of algebraic models (linear, quadratic, exponential) in the study of diverse examples and cases of real-world problems. Interpretation of the models, drawing conclusions, making and verifying predictions. *Graded A, A-, B+, B, B-, C+, C, F, or U.*

#101 Concepts of Mathematics. (3) (General Education/Mathematics) An introduction to sets, logic, counting and probability, and statistics to provide students with an insight into mathematical reasoning and its applications. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.* ***IAI: M1 904.***

#102 Creative Perspectives in Mathematics. (3) (General Education/Mathematics) Three or four topics chosen from Mathematics of social choice and game theory, management science and graph theory, linear programming, mathematics of finance, geometry and symmetry, emphasizing applications. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.* ***IAI: M1 904.***

106 Mathematics for Elementary Teaching I. (3) A first course in Mathematics for elementary and middle school teachers examining the real number system from an algebraic perspective featuring problem solving, applications, and concrete representations. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

110 Introductory College Algebra. (4) Algebraic techniques for and applications of linear, quadratic, rational, radical, and exponential expressions and equations, with extensions to college algebra. Introduction to relations, functions, graphs, and logarithms and their use in real-world problems. *Graded A, A-, B+, B, B-, C+, C, F, or U.*

#113 Technical Mathematics. (3) Topics in algebra, geometry, and trigonometry with applications in technical fields. Ratios and proportions, functions and graphs, equations and systems of linear equations. Area and volume of plane and solid geometric objects. Right triangle trigonometry, laws of sines and cosines. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*

#123 Modeling with Mathematical Functions. (3) (General Education/Mathematics) The application of numeric, geometric, and algebraic models to analyze situations and solve problems from natural, social, and applied sciences, with integrated use of technology. *Not open to students with credit in MATH 128. Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU*

placement.
IAI: M1 907.

#128 Precalculus Algebra. (3) Polynomial, exponential, logarithmic, and rational functions. Emphasis on algebraic manipulation. *Not open to students with credit in MATH 131. Prerequisite: MATH 110 or equivalent (C grade or higher) or WIU placement.*

#129 Precalculus Trigonometry. (3) Trigonometric and inverse trig functions, graphing, proving identities, solving equations, and additional trig topics. Some non-trig material such as polar coordinates and complex numbers are included. *Not open to students with credit in MATH 131. Prerequisite: MATH 128 (C grade or better) or equivalent.*

133 Calculus with Analytic Geometry I. (4) (General Education/Mathematics) Derivatives and integrals of elementary functions with applications and analytic geometry. *Prerequisite: MATH 129 or equivalent (C grade or better).*
IAI: M1 900-1; MTH 901.

134 Calculus with Analytic Geometry II. (4) (General Education/Mathematics) Further techniques of integration with applications, additional topics in analytic geometry, infinite series. *Prerequisite: MATH 133 (C grade or better).*
IAI: M1 900-2; MTH 902.

#137 Applied Calculus I. (3) Introduction to differential and integral calculus with applications to business and social science. *Not open to students with credit in MATH 133. Prerequisite: MATH 128 (C grade or better) or MATH 129, or equivalent.*

#139 Applied Linear Algebra and Finite Mathematics. (3) Matrix algebra with applications. Topics from finite mathematics. *Not open to students with credit in MATH 311. Prerequisite: MATH 128 (C grade or better) or equivalent, or MATH 123 (C grade or better).*

206 Mathematics for Elementary Teaching II. (3) (General Education/Mathematics) A second course in Mathematics for elementary and middle school teachers examining geometry, measurement, and statistical reasoning featuring problem solving and applications using concrete and pictorial representations. *Prerequisite: MATH 106 or equivalent (C grade or higher).*
IAI: M1 903.

211 Euclidean Geometry. (3) Euclidean geometry through constructions and proofs. Topics include angles, triangles, circles, quadrilaterals, congruence and similarity, area, three-dimensional objects, volume and surface area, and Euclidean transformations. *Prerequisite: MATH 133 or equivalent, or permission of the School Director or Program Director.*

231 Calculus with Analytic Geometry III. (4) Vectors, three dimensional analytic geometry, partial differentiation, and multiple integration. *Prerequisite: MATH 134 (C grade or better).*
IAI: M1 900-3; MTH 903.

255 Discrete Mathematical Structures for Computer Science. (3) (General Education/ Mathematics) Topics to be studied include sets, logic, method of proof, combinatorial methods, graph theory, and trees. *Prerequisite: MATH 128 or equivalent.*
IAI: M1 905.

#260 Numeric, Algebraic, and Geometric Reasoning for Teaching and Learning. (4) A mathematics course for elementary and middle school teachers examining numbers, algebra, geometry, and measurement; featuring problem solving, applications, and concrete and visual representations. *Prerequisite: WIU placement or MATH 128 (C or better) or equivalent.*

266 Algebra and Statistics for Elementary Teaching. (3) A course for future elementary teachers which examines algebra and statistics with a focus on problem solving, mathematical reasoning, applications, and representations. *Prerequisite: MATH 206 or equivalent (C grade or higher).*

280 Topics in Computer-Assisted Mathematics. (3) Computer tools in service to mathematical experimentation and investigation in various subjects; tools include a Computer Algebra System, such as *Mathematica*, and other mathematical software; subjects include calculus, number theory, algebra, geometry, and other areas. *Prerequisites: MATH 231 or equivalent.*

304 Pedagogical Content Knowledge and Reading in Secondary School Mathematics. (4) Study of the secondary Mathematics curriculum for purposes of representing knowledge meaningfully for all students. Focus is on conceptual content knowledge, methods of inquiry, appropriate use of technology in the classroom, creation of learning experiences, and instruction in reading Mathematics. *Prerequisites: 2.50 GPA or higher in Mathematics; MATH 341 (C grade or better), and EDS 301; or permission of the School Director or Program Director. Corequisite: EDS 303 (2 s.h.).*

310 Euclidean and Non-Euclidean Geometry. (4) A rigorous study of Euclidean geometry through constructions and proofs. Topics include Euclidean transformations, triangles, quadrilaterals, circles, congruence and similarity, area, three-dimensional solids, volume, and surface area. Non-Euclidean geometry is introduced via spherical geometry and hyperbolic geometry. *Not open to students with credit in MATH 211 or MATH 411. Prerequisite: MATH 134 or equivalent, or consent of the instructor.*

311 Linear Algebra. (3) Systems of linear equations, matrix algebra, vector spaces, linear transformations, and related topics. *Prerequisite: MATH 134; or MATH 133 and MATH 255; or MATH 137 and MATH 255.*

333 Ordinary Differential Equations. (3) Elementary theory and applications of ordinary differential equations including linear equations of first and second order and linear systems. *Prerequisite: MATH 231.*
IAI: MTH 912.

334 Differential Equations Computation Laboratory. (1) The computer as an investigative tool to study the theory and applications of differential equations. Basic numerical methods such as Euler and Runge-Kutta are illustrated. *Prerequisites: CS 214 and co-enrollment in MATH 333, or consent of instructor.*

341 Logic and Sets. (3) Propositional and predicate logic, proof, induction, sets and their finite and infinite operations, relations and functions, Boolean algebra, and cardinality of sets. *Prerequisite: MATH 134 (C grade or better).*

355 Applied Combinatorics. (3) Applications of enumerations (counting) and graph theory (networks, circuits, trees) are covered. Combinatorial problems including applications in computer science and operations research are solved through a careful logical analysis of possibilities. *Prerequisite: STAT 276 or MATH 311.*

#362 Teaching Mathematics in PreK–2nd Grade. (3) Methods and content for planning, implementing, and assessing math curriculum for children in PreK–2nd grade. *Prerequisites: ECH 271 and 273; MATH 206 or equivalent (C grade or better).*

#364 Teaching Elementary School Mathematics. (3) An examination of pedagogical mathematics content in elementary school (Grades 1–6), the development of lesson plans and assessments implementing national and state standards, and integration of technology in the mathematics classroom. *Prerequisites: MATH 206 (C grade or better) or equivalent, MATH 266 (C grade or better) or equivalent, permission of the College of Humanities, Arts, Sciences, and Education, and full acceptance into the Teacher Education Program.*

#367 Teaching Middle School Mathematics. (3) An examination of the pedagogical Mathematics content in middle school (Grades 5–8), the development of lesson plans and assessments implementing national and state standards, and integration of technology in the Mathematics classroom. *Prerequisite: MATH 128 (C grade or better) or equivalent, MATH 206 (C grade or better) or equivalent, permission of the College of Humanities, Arts, Sciences, and Education, and full acceptance into the Teacher Education Program.*

370 Financial Mathematics. (3) Calculus based mathematical study of compound interest and annuities with applications to problems in finance. This course covers the mathematics of investment topics for the Financial Mathematics Exam for the Society of Actuaries. *Prerequisite: MATH 134 or consent of instructor.*

381 *(Cross-listed with BIOL/CHEM/GEOL/METR/PHYS 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/GEOL/METR/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

383 An Introduction to Mathematical Modeling. (3) Modeling using graphs, proportionality, and the derivative; the modeling process; model fitting; optimization, dimensional analysis. *Prerequisite: MATH 133 and either STAT 171 or STAT 276, or consent of instructor.*

389 Teaching of Algebra Seminar. (1) A course for students concurrently assigned to assist in laboratory sections of MATH 110. The course will provide students with a weekly forum to reflect upon and discuss experiences from the algebra classroom. *Prerequisite: 2.50 GPA or higher in Mathematics with permission of the School Director or Program Director. Graded S/U only.*

390 Independent Study. (1–3, repeatable to 3) *Prerequisites: sophomore standing and consent of instructor.*

391 Writing in the Mathematical Sciences. (1) Issues of technical writing and the effective presentation of Mathematics in formal and informal formats. Instruction and practice in writing. *Writing Instruction in the Disciplines (WID) course. Prerequisites: MATH 231; ENG 280. Corequisite: Any 300- or 400-level MATH or STAT course counting toward a major in Mathematics.*

#402 Investigations in School Geometry. (3) Conceptual study of geometry through relationships, proofs, transformations, measurements, and coordinate methods, emphasizing elementary and middle school standards. Focus includes students' geometric reasoning, learning progressions, and mathematical practices, with opportunities to analyze student thinking for effective K–8 instruction. *Prerequisite: MATH 123 or MATH 128 or equivalent.*

#406 Problem Solving and the History of Mathematics. (3) Various problems, their solutions, related mathematical concepts, and their historical significance are analyzed through investigation of classic problems and their connection to middle school mathematics. Contributions by Archimedes, Descartes, Eratosthenes, Euler, Gauss, Pascal, Pythagoras, and others are studied. *Open only to students majoring in an Elementary Education program or Middle Level Education program. Prerequisite: MATH 123 or 128 or equivalent.*

#407 Number Theory Concepts in School Mathematics. (3) Divisibility, prime and perfect numbers, modular arithmetic, Diophantine equations, and related topics. Coursework deepens understanding of number-theory ideas for grades K–8, emphasizing children's thinking, learning trajectories, and implications for instruction and assessment. *Open only to students majoring in an Elementary Education program or Middle Level Education program. Prerequisite: MATH 123 or MATH 128 or equivalent.*

411 Geometry. (3) A rigorous study of Euclidean and non-Euclidean geometries. The necessary axioms are introduced and several models including the hyperbolic geometry are examined. *Prerequisite: MATH 341.*

421 Abstract Algebra. (3) An introduction to the basic properties of groups, rings, and fields. *Prerequisite: MATH 341.*

424 Advanced Linear Algebra. (3) Matrix algebra, vector spaces, linear independence, bases, linear transformations, canonical forms, inner product spaces. *Prerequisite: MATH 311 and 341, or equivalent.*

433 Complex Variables and Applications. (3) Functions of a complex variable including differentiation, integration, series, residues, and conformal mappings. Applications to evaluation of real integrals and boundary value problems. *Prerequisite: MATH 231.*

435 Introduction to Real Variables I. (3) Topology of the real line, sequences, limits, and series. Rigorous introduction to the study of one-

variable functions, continuity, differentiability, and integrability based on the epsilon-delta method. *Prerequisites: MATH 231 and 341.*

439 Teaching and Assessment in Secondary School Mathematics. (4) A study of teaching strategies and current trends in secondary mathematics education. Students will focus on curriculum, lesson-planning, and assessment, and will learn to effectively incorporate technology into the teaching and learning of mathematics. *Open to Teacher Education majors only. Prerequisite: 2.50 GPA or higher in Mathematics; MATH 304, MATH 341, and co-registration in EDS 304; or permission of the School Director or Program Director.*

444 Undergraduate Research Project. (1-3) Dedicated, individual pursuit of a mathematical topic/application from an area of research that is represented within the School culminating in a final paper or presentation to peers and faculty. *Writing Instruction in the Disciplines (WID) course. Prerequisites: MATH 341, ENG 280, junior standing, and consent of instructor.*

480 Student Teaching. (12) See STCH 480 in Teacher Education curriculum. *Credit for Teacher Education major only.*

481 Numerical Analysis I. (3) A survey of current methods in numerical analysis. Error analysis, solution of nonlinear equations and systems of linear equations, polynomial interpolation and approximations, and related topics. *Prerequisites: CS 214 and MATH 311; or consent of instructor.*

483 Biomathematics. (3) Mathematical modeling of biological systems, utilizing mathematical and statistical techniques for modeling, analysis, computational simulation, and applications. *Prerequisites: MATH 383; or MATH 133 and BIOL 501*; or consent of instructor. (* If taking MATH 483G.)*

488 Models in Applied Mathematics. (3) Theory and computer exploration of mathematical models using difference equations, differential equations, and dynamical systems. Applications from the sciences. *Prerequisites: CS 214, MATH 231 and 311; or consent of instructor.*

489 Numerical Optimization. (3) Numerical methods for continuous multivariate optimization. Unconstrained optimization algorithms, linear programming, quadratic programming, constrained optimization algorithms, and applications. *Prerequisites: CS 214 or equivalent, and MATH 231 and 311; or consent of instructor.*

495 Senior Project in Data Science. (3, repeatable to 6) A comprehensive project in data science or statistics that integrates an application area, requiring students to apply the knowledge and skills gained in prior coursework. The project involves research, analysis, interpretation, result reporting, and a final presentation. *Prerequisites: senior standing.*

496 Internship. (3–12, repeatable once, to 12) An internship in an approved area relating to applied mathematics or statistics, conducted at a professional institution or government organization. It is expected that the experience will culminate in a final paper or portfolio. *Only 3 s.h. per semester can be included in the major. A maximum of 6 s.h. may be included in the major. Prerequisites: completion of 12 s.h. of upper-division MATH courses and approval of the School Director or Program Director. Graded S/U only.*

497 Honors Mathematics Seminar. (1–3, repeatable to 6) *Prerequisites: 3.00 GPA in Mathematics and either MATH 341 or consent of instructor.*

METEOROLOGY (METR)

120 Introduction to Weather and Climate. (4) (General Education/Natural Sciences) Concepts and processes that govern weather and climate systems: solar energy distribution and seasons, world climates, temperature, humidity, wind and force balances, clouds and precipitation, stability, fronts, cyclones, and severe weather (including tornadoes, hurricanes, etc.). Laboratory. *Laboratory charge for course. 3 hrs. lect.; 2 hrs. lab.*
IAI: P1 905L.

220 Severe and Unusual Weather. (3) Study of severe weather causes and impacts on local communities. Apply current technologies and data sources to analyze winter weather events (blizzards, ice storms, etc.) and warm season events (thunderstorms, tornadoes, hail, lightning, floods, hurricanes). *Prerequisite: METR 120.*

300 Weather Instruments. (3) A survey of the instruments and reporting techniques associated with standard weather observations, which will enable students to identify meteorological phenomena and report their occurrences in an understandable format. *Prerequisite: METR 120. 2 hrs. lect.; 2 hrs. lab.*

322 Synoptic Meteorology I. (4) Study of large-scale (synoptic) atmospheric circulations and the relationship between upper air circulation, vertical motion, and surface development, particularly cyclogenesis. Emphasis on weather analysis through observational data and computer models. *Prerequisite: METR 120 and MATH 133. 2 hrs. lect.; 4 hrs. lab.*

327 Environmental Climatology. (3) This course deals with the mechanisms of heat flow, radiation exchanges, and water vapor flux and with the effects of climate on organisms, ecosystems, and human societies as well as changes in global environment. *Prerequisite: METR 120 or consent of instructor.*

329 Dynamic Meteorology I. (3) Examination of atmospheric thermodynamics and cloud processes, including hydrostatic equilibrium, equation of state, atmospheric moisture, adiabatic processes, the use of thermodynamic charts, precipitation development, and lightning mechanisms. *Prerequisites: METR 120 and MATH 133. 2 hrs. lect.; 2 hrs. lab.*

333 Meteorological Data Analysis. (3) Various meteorological data analysis software packages will be used to enhance synoptic/dynamics concepts learned in concurrent courses. These tools will be used to produce and present an analysis of a meteorological case study. *Prerequisite or Corequisite: METR 322 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

337 Understanding Climate Change. (3) This course introduces basic physical principles underlying climate change, time scales of climate change, the nature and the role of technology and

computer models in the context of climate change research, and social and political dimensions of climate change. *Prerequisite: METR 120 or consent of instructor.*

381 *(Cross-listed with BIOL/CHEM/GEOL/MATH/PHYS 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/GEOL/MATH/PHYS 381. Prerequisites: at least one introductory level science or math course with a grade of B or higher, AND permission of the instructor.*

422 Synoptic Meteorology II. (4) Quantitative treatment of dynamical and thermodynamical processes involved in synoptic meteorology. Evolution of fronts and cyclones, isentropic analysis, vertical cross sections, interpretation of satellite imagery and numerical model data, all in the context of theory and case studies. *Prerequisite: METR 322 and MATH 133. 2 hrs. lect.; 4 hrs. lab.*

425 Satellite and Radar Meteorology. (3) The theoretical principles and application of satellites and radar in synoptic meteorology and climatology. Applications of satellite and radar imageries include clouds, wind, atmospheric water vapor, precipitation, and storm prediction. The course includes operational procedures fundamental to weather radar. *Prerequisite: METR 322 or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

429 Dynamic Meteorology II. (3) Examination of atmospheric fluid motion, including atmospheric kinematics, real and apparent forces, geostrophic and gradient winds, thermal winds, vorticity, quasi-geostrophy, and their application to numerical weather prediction. *Prerequisites: METR 329 and MATH 133. 2 hrs. lect.; 2 hrs. lab.*

432 Physical Meteorology. (3) Examination of atmospheric radiation and chemistry, including optical effects, acoustical phenomena, tropospheric and stratospheric chemical processes, and how these disciplines combine to determine Earth's radiative equilibrium. *Prerequisite: METR 120 and MATH 133, or consent of instructor. 2 hrs. lect.; 2 hrs. lab.*

481 *(Cross-listed with BIOL/CHEM/GEOL/PHYS 481)* Techniques and Issues in Science Teaching. (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/GEOL/PHYS 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

482 *(Cross-listed with BIOL/CHEM/GEOL/PHYS 482)* Science in Context. (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in BIOL/CHEM/GEOL/PHYS 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, or Meteorology; ENG 280; or permission of instructor.*

MICROBIOLOGY (MICR)

***Laboratories** are required in most Microbiology courses. A lab use charge applies to all MICR laboratory courses. Students must participate in all required course activities including field trips as specified by the instructor.*

200 Introductory Microbiology. (4) A lecture and laboratory course recommended for science majors and minors, providing an introduction to microorganisms with emphasis on the biology, methodology, and applied aspect of viruses, bacteria, fungi, algae, protozoa, and slime molds.

400 Bacteriology. (3) Cultural, morphologic, and metabolic properties and methods of isolation of bacteria as related to home and community life, industry, medicine, and agriculture. *Prerequisites: one year of Chemistry; BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

401 Mycology. (3) An introduction to the biology of the fungi emphasizing their morphology, ecology, physiology, and applied aspects, as well as laboratory techniques used in isolation, culture, and identification. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better), or permission of instructor.*

405 Virology. (3) A study of the biological characteristics of animal, plant, and bacterial viruses and the viruses which cause disease. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

423 Phycology. (3) Morphology, taxonomy, physiology, genetics, and ecology of the algae, particularly freshwater forms. *May not be taken by students who have completed BOT 423. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

425 *(Cross-listed with CHEM 425)* Biochemistry of Human Disease. (4) Biochemical aspects of human diseases with emphasis on cancer and genetic disorders. The course focuses on biochemical principles of disease development and contemporary biochemistry and molecular biology methods and approaches for drug development and cancer treatments. *Not open to students with credit in CHEM 425. Prerequisites: BIOL 330 or CHEM 421. 3 hrs. lect.; 3 hrs. lab.*

434 Immunology. (3) A study of antigens and antibodies, the immune response and immunity, immunologic testing, allergy and hypersensitivity, transplantation, autoimmune diseases, and cancer immunology. Laboratory includes selected immunologic techniques. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better); one year of Chemistry.*

451 Environmental Microbiology. (3) An exploration of how microorganisms interact in the environment and how this knowledge

of microbiology can be used to address environmental issues such as ecosystem health, pollutant bioremediation, pathogen transport, sustainable agriculture, water quality, and wastewater treatment. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), and ENG 280; or permission of instructor.*

460 Parasitology. (3) Ecology and evolutionary relationships of parasitic eukaryotes. Emphasis on parasites of humans. *May not be taken by students who have completed ZOOL 460. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

461 Plant Pathology. (3) Principles of phytopathology including the causal agents, development, diagnosis, and control of plant diseases. *May not be taken by students who have completed BOT 461. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better); MICR 200 (C grade or better) or permission of the instructor.*

463 Pathogenic Bacteriology. (3) The study of bacteria, rickettsia, mycoplasma, and chlamydia which cause disease in humans. *Prerequisites: BOT 200 (C grade or better), MICR 200 (C grade or better), and ZOOL 200 (C grade or better).*

464 Medical Mycology. (3) The study of fungi which cause disease in humans. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

MILITARY SCIENCE (MS)

111 Leadership and Personal Development. (1) A course designed to introduce students to Army ROTC and the organization of the U.S. Army and its role in American society. Teach fundamental concepts in leadership in both classroom and outdoor activities. Increase self-confidence through optional activities in rappelling, leadership reaction course, and basic marksmanship.

112 Introduction to Tactical Leadership. (1) A continuation of MS 111. This course continues to build a knowledge base of soldier skills such as first aid, marksmanship, and writing. Expands students' opportunity for and knowledge of leadership skills through basic drill, rappelling, and the leadership reaction course.

211 Innovative Team Leadership. (2) Students participate in discussions of selected leadership principles and the methods of military instruction. Introduction to a Leadership Development Program which assesses using 16 leader dimensions. Instruction in basic individual military skills.

212 Foundations of Tactical Leadership. (2) Continuation of discussions of personal leadership development and individual military skills. Exercises in team building, small unit leadership techniques, and military map reading.

298 Individual Studies. (1–3) Special study in Military Science carried out under the supervision of a faculty member. *Limited to enrolled Military Science students. Prerequisite: permission of the Program Director.*

311 Adaptive Tactical Leadership. (3) Theories and techniques of military leadership. Concentration on leader-group interaction, organizational demands, communication, and counseling. Practical opportunities to lead small groups, receive assessment, and lead in situations of increasing complexity. Application of leadership techniques in small unit tactics and preparation for Advanced Camp. *Prerequisites: MS 111 and 112, and MS 211 and 212, or Cadet Initial Entry Training, and permission of the Program Director. Field trips required. 3 hrs. lect.; 2 hrs. lab.*

312 Leadership in Changing Environments. (3) Continues methodology of MS 311. Tactical organization and operations, and small unit leadership of rifle squad and platoon in the attack and defense. Written and oral presentations of operations orders, reports, and control systems. Proficiency in land navigation. Preparation for Advanced Camp. *Prerequisites: MS 311 and permission of the Program Director. Field trips required. 3 hrs. lect.; 2 hrs. lab.*

411 Developing Adaptive Leaders. (3) Designed to prepare the cadet for transition to lieutenant. Students will learn the expectations and duties of the newly commissioned officer, including command and staff functions through classroom discussion. They will also function as a battalion level command and staff element. MS 411 will also continue to improve presentation skills, after action review/reports, Army Training Doctrine, operation orders, and military justice. *Prerequisites: MS 312 and permission of the Program Director. 3 hrs. lect.; 2 hrs. lab.*

412 Leadership in a Complex World. (3) Culmination of the leader development process at the pre-commissioning level, preparing for the transition from cadet to lieutenant. Training is to solidify the commitment to officership, reinforce individual competencies, and offer practical leader experiences. Includes the study and application of oral and written communications, leadership/professional ethics, logistics, and maintenance. *Prerequisites: MS 411 and /or permission of the Program Director. 3 hrs. lect.; 2 hrs. lab.*

498 Individual Studies. (1–3) Special study in Military Science carried out under the supervision of a faculty member. *Limited to enrolled Military Science students. Prerequisite: permission of the Program Director.*

MUSIC (MUS)

Ensembles: (All ensembles receive 1 s.h. credit per semester) Open to all University students by permission of instructor.

101 University Orchestra
102 Chamber Orchestra
103 American Traditional Music Ensemble
105 Concert Choir
106 University Singers
107 Vocal Jazz Ensemble
108 Chamber Singers
109 Opera Workshop
110 Treble Choir
113 Symphonic Wind Ensemble
114 Concert Band
115 University Band
116 University Marching Band
117 Jazz Band
118 Pep Band

121 Chamber Ensembles
122 Woodwind Chamber Ensembles
123 Percussion Ensemble
124 Steel Band
125 Accompanying
126 String Chamber Ensembles
127 Jazz Combo
128 Guitar Ensemble
129 Piano Chamber Ensembles

Applied Study: (1–4 s.h./semester, repeatable to a maximum of 10 semesters) Private, group, and class study in music performance. *Prerequisite: enrollment in upper-division courses (400 level) requires a C or better on the third-semester principal instrument applied jury, including sightreading. After a student passes the principal instrument third-semester jury, Applied Study in the principal instrument from the fifth through eighth semester will receive upper division credit. Music majors receiving a grade of D or F in Applied Study on their principal instrument must reaudition for program acceptance. Non-majors may enroll based on availability.*

204/404 Violin
205/405 Viola
206/406 Cello
207/407 Bass
209/409 Guitar
211/411 Composition
212/412 Voice
214/414 Organ
215/415 Piano
219/419 Clarinet
220/420 Saxophone
221/421 Flute
222/422 Oboe
223/423 Bassoon
224/424 Trumpet
225/425 Trombone
226/426 Euphonium
227/427 Horn
228/428 Tuba
229/429 Percussion

100 Recital Attendance. (0) Attendance at ten music concerts/recitals per semester for satisfactory grade. *Graded S/U only.*

130 Introduction to Music Education. (1) An overview of Music Education in pre-kindergarten through grade 12, and the knowledge, skills, and concepts required for licensure. Opportunities for teaching observations.

131 Technology in Music Education. (1) Study in the utilization and implementation of technological tools prevalent in PK–12 Music Education, including software and hardware for instruction and/or assessment of music performance, notation, theory, audio/video recording, and assistive technology for students with special needs. *A grade of C- or above must be achieved in MUS 131 for teacher licensure.*

132 String Techniques. (1) A study of the basic techniques of playing and teaching the violin, viola, cello, bass, and guitar, including arrangements for solo and string ensembles.

133 Woodwind Techniques. (1) A study of the basic techniques of playing and teaching the flute, oboe, clarinet, saxophone, and bassoon.

134 Woodwind Techniques. (1) A study of the basic techniques of playing, teaching, and arranging for the clarinet and saxophone.

135 Brass Techniques. (1) A study of the basic techniques of playing and teaching the trumpet, horn, trombone, baritone, and tuba.

136 Brass Techniques. (1) A study of the basic techniques of playing, teaching, and arranging for the trombone, euphonium, and tuba.

137 Percussion Techniques. (1) A study of the basic techniques of playing, teaching, and arranging for percussion instruments.

138 Vocal Techniques. (1) Development of vocal techniques and methodology for the Music Education major. *Prerequisite: Music Education major.*

139 Band Instrument Maintenance and Repair. (1, repeatable to 2) A study of the principles of maintenance, repair, and adjustment of band instruments. This hands-on course will include mechanical instruction on all brass, woodwind, and percussion instruments. *Prerequisite: Music major or consent of instructor.*

141 Introduction to Music Business. (2) An introduction to the field of Music Business through a review of the various areas and careers within the music industry including music publishing, recording, merchandising, concert promotion, artist management, and arts administration.

151 Introduction to Music Therapy. (2) Definition of music as therapy; introduction to music as a therapeutic function; scope of music therapy; areas of application; professional aspects; and the role of the music therapist in the therapeutic milieu. Field observations. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457).*

157 Multicultural Percussion Techniques. (1) Students will gain historical and cultural perspective of nonsymphonic percussion instruments, learn care and maintenance for equipment, and develop fundamental percussion techniques necessary to arrange and facilitate group drumming experiences. Students will play in solo and ensemble settings. *Prerequisite: MUS 151 or 130.*

158 Observation of Music Therapy. (1) Semester long fieldwork course including weekly observation of clinical music therapy. Clinical and professional topics discussed in weekly seminar. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Open only to Music Therapy majors. Prerequisite: MUS 151 and consent of instructor.*

161 Elementary Guitar. (2) Combines beginning guitar techniques and music fundamentals.

162 Group Voice. (1, repeatable to 3) Voice instruction in a group setting.

165 Class Piano I. (1) Keyboard instruction in a classroom setting for Music majors.

166 Class Piano II. (1) Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 165 or equivalent.*

167 Introduction to Jazz Piano. (1) Voicing and comping (piano techniques) for jazz application. Traditional elementary voicings and voice leading applied to jazz. Structures for chord extensions in jazz performance. Piano techniques to realize harmonic notation common to jazz. *Prerequisite: MUS 166 or consent of instructor.*

180 Fundamentals of Music. (3) An introduction to the basic elements of music. Music reading, sight-singing, and elementary ear training. *Open to general University students. Does not apply toward Music major graduation credit. Not open to students with credit in MUS 181.*

181 Theory I. (2) Techniques and materials of diatonic music. Introduction to tonal harmony through part writing, harmonization of melodies, and analysis. *Corequisite: MUS 183. Three meetings each week.*

182 Theory II. (2) Further studies in diatonic techniques and initial studies in chromatic techniques. Continuation of music writing skills and analysis. *Prerequisites: a grade of C- or better in MUS 181 and MUS 183. Corequisite: MUS 184. Three meetings each week.*

183 Aural Skills I. (1) Aural Skills I studies diatonic material through sight-singing, dictation, and other exercises. *Corequisite: MUS 181. Two meetings each week.*

184 Aural Skills II. (1) Aural Skills II continues the study of diatonic material through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 181 and 183. Corequisite: MUS 182. Two meetings each week.*

187 Jazz Theory. (1) Fundamentals of scales and chords related to jazz. Elementary jazz harmonic practices and the rhythm section. Chord nomenclature common to jazz notation.

190 What to Listen for in Music. (3) (General Education/Fine Arts) An introduction to basic musical principles, as well as the study of music as an aspect of culture, society, and history, with an emphasis on developing listening skills applicable in a broad range of music cultures.
IAI: F1 900.

194 *(Formerly MUS 397)* Jazz Survey. (3) (Multicultural) Exploration of the origins of jazz, its many forms, and its present day trends.

195 American Popular Music. (3) (General Education/Fine Arts) (Multicultural) A survey of American popular music from the 19th century to the present. Includes extensive listening to representative styles and outstanding works within those styles, with discussion of historical, sociological, and musical influences. Recommended for those without music background.
IAI: F1 904.

196 Music in the Rock Era. (3) (General Education/Fine Arts) (Multicultural) An introduction to popular music during the rock era as an expression of multiple cultures; an exploration of the relationship between musical style and meaning and the socio-cultural context from which the music emerges, with emphasis on cross-cultural connections.
IAI: F1 913.

197 American Country Music. (3) (General Education/Fine Arts) A survey of the development of American Country Music from the 1920s to the present day, highlighting social, political, and musical issues as well as key artists, songs, and genres.
IAI: F1 913.

198 K-Pop, J-Pop, and C-Pop. (3) (General Education/Fine Arts) (Multicultural) A survey of the history and the development of K-pop (Korean popular music), J-pop (Japanese popular music), and C-pop (Chinese popular music) from the cultural, social, political, and musical perspectives highlighting key artists, songs, and genres.
IAI: F1 913.

208 Applied Jazz Studies I. (1–4, repeatable up to 10 semesters) Applied study of performance elements related to jazz style, repertoire, and improvisation.

216 Applied Musical Theatre Voice, Lower Division. (1–4, repeatable to 8) Applied study of vocal technique and style to meet the needs of students in the BFA Musical Theatre degree program and other students interested in learning to sing in a popular style. *Prerequisite: Musical Theatre major or permission of instructor.*

231 Classroom Instrument Techniques. (1) The study of the basic techniques of playing, teaching, and arranging for classroom and cultural instruments.

232 Critical Issues in General Music Education. (3) A survey of current issues and trends in the general music classroom, including classroom management, child development, literacy, diversity, and the various approaches to general music (Orff, Kodaly, and Dalcroze). *A grade of C- or above must be achieved in MUS 232 for teacher licensure.*

241 Practicum in Music Business. (1, repeatable to 2) A part-time practical experience in an area of the music industry. *Prerequisites: MUS 141 and permission of Program Director.*

242 Music Industry Career Preparation. (1) This course focuses on in-depth career preparation for those interested in the music industry including: goal setting, the job search process and document preparation, best practices in electronic media, and interview techniques. *Prerequisite: MUS 141 or consent of instructor.*

248 Introduction to Video and Audio Production for Live Music Performance. (3) Provides the technical skills to implement a live video stream of a musical presentation, and to develop an understanding of the specialized uses of microphones, live mixing consoles, streaming video software, and digital audio/video composing within live music production.

254 Music Therapy Clinical Skills I. (1) Development of accompanied singing. Acquisition of basic design and leadership skills for therapeutic music experiences involving singing, movement, and rhythmic instrument play. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 151 and 158; or permission of instructor.*

255 Music Therapy Clinical Skills II. (1) Overview of clinical process. Continuation of accompanied singing development. Acquisition of goal-based design and facilitation of therapeutic music experiences. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 254.*

258 Practicum in Music Therapy I. (1, repeatable to 3) Supervised co-lead clinical experience in music therapy focusing upon assessment, treatment, planning, implementation, and evaluation of clinical process. Weekly group supervision. *C- or better is required in order to be eligible for internship (MUS 457). Prerequisite: MUS 151 and 158.*

261 Intermediate Guitar. (2) Combines intermediate guitar techniques and related music study.

262 Phonetics and Diction I. (2 per semester) Study of the International Phonetic Alphabet. Study of English, Italian, and Latin phonetics and diction as they apply to singing. Utilization of standard vocal literature. Attend a weekly performance lab.

263 Phonetics and Diction II. (2 per semester) Study of French and German diction and phonetics as applied to singing. Utilization of standard vocal literature. Attend a weekly performance lab. *Prerequisite: C or better in MUS 262.*

264 Keyboard Skills for Popular Music. (1) Development of keyboard self-accompaniment technique, improvisation, and transposition highlighting stylistic elements from different decades and genres of popular and non-classical music. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 165 or 215; Music Therapy student or consent of instructor.*

265 Class Piano III. (1) Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 166 or equivalent. Corequisite: MUS 281.*

266 Class Piano IV. (1) Keyboard instruction in a classroom setting for Music majors. *Prerequisite: C- or better in MUS 265 or equivalent.*

267 Jazz Improvisation I. (2) The elements of jazz improvisation. Listening skills, transcription, and jazz styles. Application of tonal harmonic language and scale structures to jazz improvisation. Construction of melodies utilizing voice-leading and counterpoints. *Prerequisite: MUS 187.*

268 Singing in Popular Styles. (1) Development of knowledge and the ability to sing in a variety of popular music styles. Instruction includes vocal health and production during unaccompanied and self-accompanied singing. *Prerequisites: MUS 162 or 212 or permission of instructor; Music Therapy student or permission of instructor.*

281 Theory III. (2) Further studies in chromatic techniques. Continued music writing skills and analysis, including simple part forms. *Prerequisite: a grade of C- or better in both MUS 182 and MUS 184. Corequisite: MUS 283. Three meetings each week.*

282 Theory IV. (2) Introduction to sonata form and the technical materials of late 19th and early 20th century music through analysis, listening, and music writing. *Prerequisite: a grade of C- or better in both MUS 281 and MUS 283. Corequisite: MUS 284. Three meetings each week.*

283 Aural Skills III. (1) Aural Skills III studies chromatic material and modulation through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 182 and 184. Corequisite: MUS 281. Two meetings each week.*

284 Aural Skills IV. (1) Aural Skills IV studies chromatic and twentieth-century material through sight-singing, dictation, and other exercises. *Prerequisite: a grade of C- or better in both MUS 281 and 283. Corequisite: MUS 282. Two meetings each week.*

300 Music Student Teaching Review. (0, repeatable) Examination of teacher competencies and skills prior to student teaching semester. Students are reviewed in fundamental teaching skills and knowledge. Students may retest any area to achieve S grade. *Prerequisites: for Instrumental-General major, C- or better in MUS 166; for Choral-General specialization, C- or better in MUS 266; C- or better in MUS 282 and C- or better in MUS 284. Graded S/U only.*

301 Chamber Music. (1, repeatable to 4) Chamber music instruction. *Prerequisites: Music major; C- or better in third semester applied jury including a sight reading or consent of instructor.*

330 Basic Conducting. (2) Introduction to basic conducting skills. Study of conducting patterns, preparatory beats, cueing, and cut-offs. Introduction to score reading and analysis. *Prerequisites: MUS 182 and 184.*

331 Choral Conducting in the Junior/Senior High School. (2) Study of JH/HS choral program to include choral conducting, rehearsal techniques, literature, methods, programming, style, interpretation, and analysis of choral literature for large and small ensembles, festivals, contests, and concerts. IPTS including classroom management, assessment, reading, and writing. Field experiences. *Prerequisite: C- or better in MUS 330.*

332 Instrumental Conducting. (2) Advanced exploration into the art and technique of conducting and score reading as the means to achieve musical and expressive results. Preparation to assume leadership of instrumental ensembles. Directed observations and field experiences. *Prerequisite: C- or better in MUS 330.*

333 Teaching and Assessment in Pre-K Through Middle School General Music. (3) Basic music experiences as related to child development from pre-kindergarten through middle school including reading, academic language, lesson planning, assessment, classroom management, diverse learners, middle school concept, and use of appropriate music literature. Directed observations, field experiences. *Open to Music majors and minors only. Prerequisites: MUS 166, 182, 184; for Choral-General specialization only, MUS 231–232 or consent of instructor; ENG 180 and 280.*

334 Music for the Learner with Exceptionalities. (3) Information and practice in various strategies to help Music teachers with the instruction of learners with exceptionalities in Music classrooms. Emphasis on characteristics, Universal Design, accommodations, modifications, and assistive technologies. Discussion of Response to Intervention. Field experiences and teaching experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; junior/senior standing; full acceptance into Teacher Education Program.*

335 Teaching and Assessment in Middle/ High School Choral Music. (3) Study of teaching techniques and organizational procedures of the middle-high school choral programs including resource materials, effective rehearsal and lesson planning methods, vocal pedagogy, repertoire selection/adaptation, classroom management, assessment, and reading/writing in the content area. Directed observations, field experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; C- or better in MUS 330; full acceptance into Teacher Education Program.*

336 Teaching and Assessment in Middle/ High School Instrumental Music. (3) Study of teaching techniques and organizational procedures of the M-HS instrumental programs including resource materials, effective rehearsal/ lesson planning methods, instrumental pedagogy, repertoire selection and adaptation, classroom management, assessment, and reading/writing in the content area. Directed observations, field experiences. *Prerequisites: MUS 166, 182, 184; ENG 180 and 280; instrumental techniques courses or*

equivalent background; full acceptance into Teacher Education Program.

337 Jazz Band Methods and Techniques. (2) A study of the organization of the school jazz band program, methods available for instructors, materials, techniques of rehearsals, and performances. *Prerequisite: MUS 166, 182, 184.*

341 Music Publishing. (2) A study of publishing as it relates to the music industry. Topics will include how music publishers acquire the rights to music copyrights and how they protect music copyrights from exploitation through music licensing. *Prerequisite: MUS 141.*

342 Music Administration. (2) A study of not-for-profit music organizations with an emphasis in symphony orchestra and opera company administration. Includes an examination of organization structure, funding, and audience development. *Prerequisite: MUS 141 or consent of instructor. Participation in field trips required.*

343 The Music Products Industry. (2) A study of the domestic and international music products industry. Topics will include the manufacturing, distribution, and retailing of musical instruments, print music, and accessories. *Prerequisite: MUS 141 or consent of instructor. Participation in field trips required.*

344 Artist Development. (2) A study of artist development and the live music industry from the perspective of the performing artist. Topics will include the performing artist's management team, the artist-management agreement, advancing an artist's career, touring, and concert promotion and production. *Prerequisite: MUS 141 or consent of instructor.*

345 The Recording Industry. (2) A study of the domestic and international recording industry. Topics will include industry structure, operations, and business and legal affairs. Both major and independent labels will be explored. *Prerequisite: MUS 141 or consent of instructor.*

348 Advanced Video and Audio Production for Live Music Performance. (3) Continuation of MUS 248. Exposure to the technical skills to master and engineer a live video stream of a musical presentation and to hone digital audio/video composing skills in post production at a professional level. *Prerequisite: MUS 248 or consent of the instructor.*

354 Music Therapy Clinical Skills III. (1) Design, implement, and review research for composition and improvisation music therapy methods. Develop arranging skills relevant for music therapy practice. *Course must be completed with a C- or better to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, and 255.*

355 Music Therapy Clinical Skills IV. (1) Design, implement, and review research for receptive music therapy methods, including music assisted relaxation and song discussion. Develop basic verbal skills and advanced clinical musicianship. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisite: MUS 354.*

358 Practicum in Music Therapy II. (1, repeatable to 4) Supervised clinical experience in assessing, planning, intervening, measuring, evaluating, and documenting music therapy treatment in an assigned clinical setting. Discussion of clinical and professional topics in a weekly seminar. *2 s.h. required in Music Therapy degree program with a C- or better in order to be eligible for internship (MUS 457) Prerequisite: MUS 166, 182, 184; MUS 255 and 258 with a C- or better.*

367 Advanced Jazz Improvisation. (2) The elements of jazz improvisation. Listening skills, transcription, and jazz styles. Application of tonal harmonic language and scale structures to jazz improvisation. Construction of melodies utilizing voice-leading and counterpoint. *Prerequisites: MUS 166, 182, 184.*

381 Analysis I. (3) Analysis of common musical forms and genres from the common practice. *Prerequisites: MUS 166, 282, 284; ENG 180 and 280.*

387 Jazz Composition. (2) The analysis and development of compositional techniques relating to jazz with a special emphasis on composers associated with the Great American Songbook. *Prerequisites: MUS 166, 182, 184, 187.*

390 European Art Music I. (3) (Multicultural) Survey of music history and analysis of musical styles and their social context. Examination of important styles and musical examples cultivated in Western civilization from the Greeks to the middle of the 18th century. *Writing Instruction in the Disciplines (WID) course. Prerequisites: MUS 166, 182, 184, C- or better in 190; ENG 180 and 280.*

391 European Art Music II. (3) (Multicultural) Continuation of MUS 390. Examination of important styles and musical examples cultivated in Europe and the U.S. from the middle of the 18th century through the 20th century. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280; MUS 166, 182, 184, C- or better in 190; minors—consent of the instructor.*

394 Music in World Cultures. (3) (Multicultural) Study of the music, dance, and instruments of the peoples of North and South America, the Caribbean, Europe, Africa, Middle East, and Asia with emphasis on non-Western cultures. *Prerequisites: ENG 180 and 280.* ***IAI: F1 903N.***

395 Band/Orchestra Literature and Score Analysis. (2) Historical survey, analysis, assessment, and adaptation of instrumental music literature suitable for all levels. Development and application of score study/analysis skills to effectively teach and direct bands/orchestras. *A grade of C- or above must be achieved in MUS 395 for teacher licensure. Prerequisites: one technique class from each of the following groups: MUS 132; 133/134; 135/136; 137; 330.*

396 Choral Literature for Elementary/Junior High/Senior High. (2) Study, analysis, and adaptations of the literature for elementary, middle school, and high school for like and mixed voices in choral groups. Will include both sacred and secular literature of all periods of music. IPTS including assessment, reading/writing. *Prerequisites: MUS 166, 182, 184, 262.*

400 Independent Study. (1–3, repeatable to 6) A music project outside the regular curriculum for advanced undergraduate students. Each project under the supervision of an instructor and with permission of School Director or Program Director. Course culminates in a written report, examination, and/or performance. *Prerequisites: permission of Instructor and either the School Director or Program Director.*

401 Thesis. (3) A thesis prepared under the direction of one or more Music faculty members.

402 Recital Performance. (0) Public performance of a student recital of solo or solo/chamber literature approved by the student's applied performance teacher. *Prerequisite: pre-recital hearing approved by the appropriate applied area faculty. Graded S/U only, to be determined by faculty of the appropriate applied area.*

403 Proseminar in Music. (1–3, repeatable to 6) Studies in selected topics in Music. *Prerequisites: permission of Instructor and either the School Director or Program Director.*

408 Applied Jazz Studies II. (1–4, repeatable up to 10 semesters) Applied study of performance elements related to jazz style, repertoire, and improvisation.

416 Applied Musical Theatre Voice, Upper Division. (1–4, repeatable to 10) Applied study of vocal technique and style to meet the needs of students in the BFA Musical Theatre degree program and other students interested in learning to sing in a popular style. *Prerequisite: junior Musical Theatre major or permission of instructor.*

430 Marching Band Techniques. (2) Teaching, assessment, and management of marching band in secondary schools. Preparation of marching band including music, choreography, and drill for the band show. Subjects include administrative responsibilities; effective lesson planning; assessment; diverse learners; leadership and staff; equipment; and philosophies. *Prerequisites: MUS 116, 166, 281, 283.*

439 Teaching and Assessment in Secondary School Music. (3) Study of music learning and teaching as related to adolescent development in middle/high school. Topics include effective lesson planning, assessment, classroom management, diverse learners, reading/writing, use of academic language, and appropriate music literature. Directed observations, field experiences. *Prerequisites: MUS 166, 282, 284, 330; EDS 301; full acceptance into Teacher Education Program.*

441 Current Issues in Music Business. (1) A study of current issues in the music industry. In-depth research into the student's area of interest in preparation for employment will be included. *Prerequisites: MUS 141, 341, and senior standing.*

442 Internship. (1–12, repeatable to 12) A one-semester internship in music business or performance. *Prerequisites: permission of instructor. Graded S/U only.*

444 Arts Entrepreneurship. (2) Explores, studies, and develops entrepreneurial and leadership skills vital to 21st century artists and arts leaders, with a focus on the connections between individual entrepreneurship, arts administration, and community engagement. *Prerequisites: sophomore standing or consent of instructor.*

451 Psychology of Music. (2) Psychology and psychoacoustics of music including hearing, perception, values and preferences, musical abilities, music and media, and measurement of responses to music. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: 3 s.h. of Psychology coursework and MUS 166, 182, 184; or consent of instructor.*

452 Research in Music Therapy. (2) Overview of empirical research methods and findings in music and music therapy. Development of APA writing style. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, and 158; or consent of instructor.*

453 Music Therapy in Medicine. (3) Theory, research, and clinical skills related to music therapy in gerontology, neurologic illness and injury, and patients in medical hospitals. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

454 Music Therapy in Development and Education. (3) Theory, research, and clinical skills related to music therapy in early intervention, special education, and developmental disabilities across the lifespan. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

455 Psychological Applications and Theories in Music Therapy. (3) Theory, research, and clinical skills related to music therapy in psychotherapy, counseling, and hospice. Music therapy program design and administration. Discussion of music in therapy and music as therapy. Development of personal philosophy of music therapy, Internship preparation. *Course must be completed with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184, 255, 258; or consent of instructor.*

457 Clinical Internship in Music Therapy. (4–12, not repeatable) A six-month music therapy clinical internship in approved clinical training centers. The clinical internship is in addition to and follows the completion of the undergraduate requirements for Music Therapy. *Prerequisites: completion of all other undergraduate requirements for Music Therapy major including obtaining a C- or better in MUS 151, 158, 254, 255, 258, 355, 358 (2 hours required), 451, 452, 453, 454, 455, and 458.*

458 Practicum in Music Therapy III. (1, repeatable to 3) Supervised, individually led clinical experience in assessing, planning, intervening, measuring, evaluating, and documenting music therapy treatment in an assigned clinical setting. Discussion of clinical and professional topics in weekly seminar. *1 s.h. required in Music Therapy degree program with a C- or better in order to be eligible for internship (MUS 457). Prerequisites: MUS 166, 182, 184; MUS 358 with a C- or better; or consent of instructor.*

461 String Pedagogy. (1–2, repeatable to 8) A study of the methods and approaches to the teaching of strings in class and studio. Laboratory observation and teaching. *Prerequisites: string principal and consent of instructor.*

465 Piano Pedagogy I. (2) Introduction to the history of piano pedagogy and current learning theories. Examination of teaching methods and materials at the beginning through intermediate levels. Lecture/discussion meetings will be complemented with student presentations. *Prerequisites: MUS 182, 184; ENG 180 and 280; PSY 100 and 221; piano principal or consent of instructor.*

466 Piano Pedagogy II. (2) Introduction to piano pedagogy research. Examination of teaching methods and materials for advanced and adult students. Students will be asked to complete a teaching demonstration. *Prerequisite: MUS 465 or permission of instructor.*

481 Counterpoint. (3) Studies in tonal counterpoint. Representative techniques and genres including invention and fugue. *Prerequisites: MUS 166, 282, 284.*

482 Materials of Post-Tonal Music. (3) An examination of post-tonal compositional practices and styles through exercises and analysis. *Prerequisites: MUS 166, 282, 284.*

483 Orchestration. (3) Study of instruments and instrumentation through practical exercises. *Prerequisites: MUS 166, 282, 284.*

485 Techniques of Electronic Music. (3) Fundamental concepts in electronic music and classical techniques in studio work. *Prerequisites: MUS 166, 182, 184.*

487 Jazz Arranging and Composition II. (2) Compositional techniques discussed and implemented include the application of non-traditional formal and harmonic designs as well as arranging and orchestration techniques relating to the jazz orchestra. *Prerequisites: MUS 387, 482, or consent of instructor.*

489 Special Topics in Music History. (3, repeatable to 12 with different topics) This course explores selected topics of interest including but not limited to individual composer studies, music and its intersections with historical, sociological, and cultural influences, and musical genre studies. *Prerequisites: MUS 390 or 391, or consent of instructor.*

490 Literature and Pedagogy of Wind and Percussion Instruments. (1–3, repeatable to 3) Survey of woodwind or brass or percussion literature and pedagogy considered from its historical, formal, stylistic, and aesthetic aspects. Content varies with areas of performance and expertise. *Prerequisites: Music major and/or consent of instructor.*

492 String Literature. (2) History of stringed instruments and early performance practices. Performers, pedagogical treatises, and literature through the twentieth century.

495, 496 Piano Literature I and II. (2 per semester) Survey of keyboard literature considered from its historical, formal, stylistic and aesthetic aspects. Nonsequential. *Prerequisites: MUS 182, 184; ENG 180 and 280; piano principal or consent of instructor.*

497 Jazz History, Selected Topics. (2, repeatable to 4) An in-depth study of selected topics from the history of jazz. Topics in this course change each time it is taught. *Prerequisites: MUS 166, 182, 184, 194; consent of instructor.*

499 Vocal Literature and Pedagogy. (2, repeatable to 4) Survey of vocal literature and pedagogical philosophies and techniques considered from historical and applied aspects. Includes performance/pedagogy projects of Early English/Italian repertories, German "Lieder," French "Melodie," English language repertory as well as other selected national and ethnic traditions. *Prerequisite: vocal or piano major or consent of the instructor.*

NURSING (NURS)

300 Theoretical and Conceptual Foundations of Professional Nursing. (3) The theoretical and conceptual foundations of professional nursing practice are explored. The evolving roles of nursing are analyzed in terms of role preparation, scope of practice, certifications, and career mobility and advance opportunities. *Prerequisite: permission of School Director or Program Director.*

301 Nursing Communication and Medical Calculation. (2) Professional communication, medical terminology, and math calculations for the various forms of medication administration are presented. *Prerequisite: admission to the BSN program or permission of School Director or Program Director. Additional charge for course.*

302 Health Assessment. (3) This course presents the basic elements of health assessment of all body systems as well as recording a patient's medical history. Physical and psychosocial assessment will be practiced. A clinical/laboratory component course. *Prerequisite: admission to the BSN program or permission of School Director or Program Director. Laboratory charge for course.*

304 Introduction to Professional Nursing. (2) This course introduces historical and theoretical foundations of nursing, explores professional values and ethical principles across the continuum of care. The American Nurses Association professional standards and code of ethics are examined within context of the healthcare delivery team. *Prerequisite: admission into the Nursing program or permission of instructor.*

305 Introduction to Professional Nursing. (3) This course provides the foundation for professional nursing practice by explaining the American Nurses Association scope and standards of practice as well as the code of ethics for nurses. *Prerequisite: admission to the BSN program. Additional charge for course.*

306 Foundations in Nursing Care: Individual, Population Health, and Health Promotion. (3) This course emphasizes planning care through the nursing process, focusing on wellness and disease prevention, using Social Determinants of Health for patient assessment and intervention. *Healthy People* is introduced as a framework for learning about health promotion in nursing. *Prerequisite: admission to the BSN program or permission of School Director or Program Director.*

307 Nursing Clinical, Simulation, and Lab. (3) This course provides hands-on training in nursing skills within a laboratory setting; complemented by clinical practice with patients across diverse care settings. Students learn physical assessment, apply nursing skills, and use various forms of communication in the practice setting. *Prerequisite: admission to the BSN program or permission of School Director or Program Director. Corequisites: NURS 301 and 306. Additional charge for course.*

308 Ethical and Legal Issues in Professional Practice. (3) This course examines the legal foundations of nursing practice and the ethical decisions nurses have to make. *Prerequisite: NURS 300.*

309 Concepts in Community Health Nursing. (1) This course provides an overview of the focus and roles of nurses in community-based practice. Students will explore the development of health educational activities and nursing interventions that are appropriate for nursing care in the community. *Corequisites: NURS 302, 305, and 310.*

310 Fundamentals of Nursing. (6) This course introduces the novice nurse to the basic processes, skills, and practice needed to provide care for clients of all ages using a self-care framework. Includes classroom, laboratory, and clinical learning experiences. *Corequisites: NURS 302 and 305. Laboratory charge for course.*

312 Genetics in Nursing Practice. (1) The focus of this course is the use of genetic/genomic information in nursing and health care. *Prerequisite: ZOOL 331.*

316 Transcultural Nursing. (2) (Multicultural) Students will examine health care systems from a variety of cultures and countries. A global perspective should help students provide culturally appropriate care for clients and also prepare them for the myriad of perspectives they will encounter in professional practice. *Prerequisite: admission to the BSN program or permission of the School Director or Program Director.*

321 Interprofessional Nursing Practice. (2) This course emphasizes values and ethics of interprofessional practice, roles and responsibilities, communication skills, and teamwork to positively impact patient-centered outcomes, safety, and quality. *Prerequisites: NURS 302, 304, 306, and 307.*

322 Adult and Child Nursing I. (5) Students provide nursing care for clients from childhood through old age with acute and chronic needs related to circulation and oxygenation. Clinical experiences will occur in various settings. *Prerequisite: NURS 302, 304, 306, 307, and 461. Corequisite: NURS 321. Laboratory charge and additional charge for course.*

326 Pharmacology I. (3) This course introduces the pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of agents used in patient care and education. *Prerequisite: NURS 301, 306, 307, and 461.*

327 Pharmacology II. (2) This is the second course in a two course series and continues the discussion of pharmacotherapeutics, pharmacokinetics, and pharmacodynamics of agents used in patient care and education. *Prerequisite: NURS 326.*

328 Mental Health Nursing. (3) Students provide nursing care for clients from childhood through old age with acute and chronic needs related to mental health. Clinical experiences will occur in various settings. *Prerequisite or Corequisite: NURS 301, 302, 306, 307, and 461.*

405 Nursing and the Community. (4) This course focuses on understanding and practicing public health and community health nursing, including epidemiology, client system, health behavior, health accommodation, stress and adaptation, and levels of prevention, immunizations, home care, clinics, and community agencies. A clinical component course. *Prerequisite: NURS 408.*

408 Evidence-Based Nursing Practice. (3) This course examines research methods as they pertain to nursing including the role of theory, modes of inquiry, research models, and ethical issues. Students will learn to apply research to patient care. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180, 280; STAT 171; NURS 304.*

409 Professional Seminar. (3) This capstone experience course explores the role of baccalaureate preparation for contemporary nursing practice, focusing on the influences of professional organizations, institutional support, and personal change. A professional portfolio will be developed. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280. Corequisite: NURS 415.*

410 Public Health Nursing. (3) This course focuses on understanding population-based nursing care and public health nursing concepts including the role of public health nurses, levels of prevention, population-based education, epidemiology, family-based care, immunizations, and specialty areas of population-based care. *Prerequisite: NURS 408. Corequisite: NURS 422.*

415 Nursing Leadership, Management and Policy. (4) This course focuses on the analysis, integration, and application of principles of leadership and management in health care organizations. Emphasis is placed on skills needed for nurses to succeed as leaders in the professional nursing arena in today's global care environment. *Corequisite: NURS 424.*

416 Quality Improvement and Informatics of Health Systems. (2) This course explores nurses' roles in managing quality outcomes across care continuums. It focuses on quality improvement, management, and utilizing technology and informatics to ensure safe, high-quality patient care within systems-based practice. *Prerequisite: NURS 321 and 408; or permission of the School Director or Program Director.*

422 Adult and Child Nursing II. (5) Students provide nursing care for clients from childhood through old age with acute and chronic needs related to metabolic, elimination, and mobility needs. Clinical experiences will occur in various settings. *Prerequisite: NURS 322. Laboratory charge and additional charge for course.*

424 Adult and Child Nursing III. (6–7) Students provide nursing care for clients from childhood through old age with acute and chronic needs related to cell growth and neurosensory needs. Clinical experiences will occur in various settings where complex care needs are met. *Prerequisites: NURS 328, 422. Corequisite: NURS 425. Laboratory charge for course.*

425 Senior Seminar. (3) Graduating senior Nursing students analyze and synthesize content and experiences from all previous and concurrent Nursing courses. To be taken in the student's final semester of coursework. *Prerequisites: NURS 327, 328, 410, 422; special permission of the School Director or Program Director. Corequisite: NURS 415, 424. Additional charge for course.*

428 Maternal Child Nursing. (4) Students provide nursing care for women of childbearing age and young children. Clinical experiences will occur in various settings that provide health care services for women of childbearing age and young

children. *Prerequisite or Corequisite: NURS 322. Laboratory charge for course.*

430 Geriatric Nursing. (2–3) This course covers issues of health policy, financial and psychosocial support for young elders, functionally able elders, and frail elders. Assessment, diagnosis, and treatment of common health problems of the elderly will be addressed. A clinical component course. *Prerequisite: NURS 405, or NURS 405 concurrently, or permission of the School Director or Program Director.*

431 Rural Nursing. (2–3) An examination of rural nursing, focusing on need, delivery, access, availability, acceptability, and types of health care in rural areas. A clinical component course. *Prerequisite: NURS 405, or NURS 405 concurrently, or permission of the School Director or Program Director.*

433 Community Mental Health Nursing. (2–3) Explores population-specific mental health issues including access, treatment modalities, and follow-up, and drug and alcohol abuse in the context of community health nursing. A clinical component course. *Prerequisite: NURS 328 or permission of School Director or Program Director.*

435 LGBTQIA+ Health. (2) This course promotes an understanding approach to addressing health disparities faced by the LGBTQIA+ community. Includes communication strategies, identifying medications, health promotion, and insurance considerations. The course aims to enhance competency in providing patient-centered, quality care for LGBTQIA+ individuals. *Prerequisites: NURS 302 and 328; or permission of the School Director or Program Director.*

438 Forensic Nursing. (2–3) An introduction into forensic nursing practice. Discusses historical framework of forensic nursing, analyzes concepts, and synthesizes theory and practice. Identifies assessment tools and interprets assessment findings. Discusses management of forensic populations. *Prerequisite: NURS 302 or permission of the instructor.*

440 Electrocardiographic Monitoring and Dysrhythmia Management. (2–3) Focuses on the identification and nursing care management for patients with cardiac dysrhythmias. This course is for students who have completed a medical surgical nursing course where cardiac care was discussed. *Prerequisite: NURS 322 or permission of the instructor.*

441 Critical Care Nursing. (2) This course will introduce application of the nursing process for patients in pre-hospital situations, emergency rooms, and trauma resuscitation units. Topics fundamental to the provisions of patient-centered nursing care in these settings are the focus of this course. *Prerequisite: NURS 322 or permission of the School Director or Program Director.*

442 Integrative Care. (2) This course is an introduction to integrative health therapies to promote health and well-being. Students will explore philosophies, techniques, and the evidence informed application of integrative health therapies to a variety of patient populations. *Prerequisite: NURS 302 or permission of the School Director or Program Director.*

461 *(Cross-listed with ZOOL 461)* Pathophysiology. (4) Alteration in physiology, pathogenesis of structure and function of the human body leading to disease, and manifestations of disease states are discussed. In addition, body system interaction is analyzed in maintaining physiological homeostasis during disease/altered states. *Not open to students with credit in ZOOL 461. Prerequisites: MICR 200 (C grade or better), ZOOL 330 and ZOOL 331; or consent of instructor.*

NUTRITION (NUTR)

109 Introduction to Nutrition. (3) Basic principles of human nutrition related to maintenance of optimum nutritional status.

203 Child Nutrition. (2) Evaluation of the nutrition needs and problems of children and examination of the foodservice and nutrition components in programs designed for children. Activities outside of class may be required. *Prerequisite: NUTR 109.*

206 Nutrition and Foodservice Management Practicum. (3) A course designed to give students practicum experience in the nutrition and/or foodservice management industries. *Prerequisites: ServSafe Manager Certificate, NUTR 109, and NUTR 220.*

209 Intermediate Nutrition. (3) Presents an intermediate-level overview of the digestion and metabolism of the macronutrients. Reviews descriptive and analytic research methods and basic statistics. *Prerequisite: NUTR 109.*

220 Foods and Nutrition. (3) This course will introduce students to basic cooking techniques and cost analysis while evaluating menu items for nutrition quality and allergens. *Offered online only. Prerequisites: NUTR 109; ServSafe Food Manager certification or permission of instructor.*

300 Food and Culture. (3) (Multicultural) Overview of the socio-cultural aspects of food and habits. The study of the cultural influences on food in different global societies including nourishment, health beliefs and practices, religion, cross-cultural communication, and health status outcomes. *Prerequisites: junior standing or permission of instructor.*

301 Food Science Theory and Applications. (3) Basic food science principles and applications in the field of dietetics. *Prerequisites: NUTR 109, 220; CHEM 101; or permission of instructor. 2 hrs. lect.; 3 hrs. lab.*

305 Nutrition Throughout the Life Span. (3) Evaluation of nutritional needs and problems and identification of community nutrition programs for individuals at different stages of the lifespan. *Prerequisite: NUTR 109. Activities outside of class may be required.*

306 Nutrition Science I. (3) A study of the physiological and biochemical aspects of nutrition. *Prerequisites: NUTR 209; CHEM 101 and 102.*

308 Nutrition for the Older Adult. (3) Evaluate the nutrition needs and problems of older adults, and examine the foodservice and nutrition components in programs designed for older adults. *Prerequisite: NUTR 109.*

320 Nutrition in Quantity Foods Management I. (3) Culinary math, menu planning, and procurement aspects associated with quantity food production and service in nutrition-related foodservice settings. *Offered online only. Prerequisites: NUTR 109, 220; ServSafe Food Manager certification or permission of instructor.*

379 Nutrition Travel Studies. (3) Studies of international and domestic properties, facilities, and agencies related to the nutrition industry. *Prerequisite or corequisite: NUTR 109.*

404 Nutrition Assessment. (3) Methods of screening and assessment of nutritional status including clinical, biochemical, and anthropometric measurements. *Prerequisite: NUTR 109.*

405 Nutrition Science II. (3) Biochemical and physiological basis of nutrients in metabolism and their interrelations. Research methodology used in nutrition. *Prerequisite: NUTR 306.*

406 Medical Nutrition Therapy I. (3) A study of the physiological and biochemical basis for using therapeutic diets for cardiovascular disease, diabetes, and renal conditions among others. *Prerequisite: NUTR 404.*

407 *(Cross-listed with HLTH 407)* Methods and Techniques for Health-Related Communication and Education. (3) Theories and methods for changing lifestyle behaviors. Development of professional health education and promotion skills. *Not open to students with credit in HLTH 407. Prerequisite or Corequisite: junior standing or permission of instructor.*

408 *(Cross-listed with HLTH 408)* Community Nutrition and Health Program Development. (3) Fundamental concepts and features of program planning, including needs assessment, implementation, and evaluation of nutrition and health behavior programs for the community. *Writing Instruction in the Disciplines (WID) course. Not open to students with credit in HLTH 408. Prerequisites: ENG 180 and 280. Activities outside of class may be required.*

409 Dietetics Practicum. (2) Practicum provides students with the opportunity to experience various aspects of dietetics including clinical, foodservice management, and community nutrition in a practical setting. *Prerequisites: junior standing or permission of the instructor.*

410 Medical Nutrition Therapy II. (3) A study of the physiological and biochemical basis for using therapeutic diets for GI disorders, pulmonary diseases, and cancer among others. *Prerequisite: NUTR 404.*

411 *(Formerly NUTR 304) (Cross-listed with HLTH 411)* Principles of Epidemiology and Public Health Informatics. (3) Methods of epidemiologic investigation and health behavior research. Locating professional literature, evaluating research, and examining evidence-based practice. Electronic technology used in health fields also included. *Not open to students with credit in HLTH 411. Prerequisite: STAT 171. Prerequisite or Corequisite: HLTH 410 or permission of instructor.*

413 Public Health Nutrition. (3) Overview of the study of merging nutrition principles with foundational concepts in public health and social sciences to improve population health behaviors. *Prerequisites: NUTR 109 and junior standing; or permission of instructor.*

420 Nutrition in Quantity Foods Management II. (3) Application of financial aspects needed to facilitate foodservice or nutrition service operations including budgeting, staffing, and leadership styles. *Offered online only. Prerequisites: NUTR 320, math competency, and senior standing; or permission of instructor.*

438 *(Cross-listed with HLTH 438)* Pre-Internship for Public Health and Nutrition. (1) Developing professional application materials required for internship, investigating potential internships, and emphasizing interviewing and job search skills. *Not open to students with credit in HLTH 438. Prerequisites: junior standing or permission of instructor.*

440 Nutrition and Foodservice Management Internship. (9) Supervised field experience for application of theory and skills in an agency or property approved by the School Director or Program Director. *Prerequisites: senior standing; NUTR 438; GPA of 2.5 in four of the following courses: NUTR 420, HM 354, HM 451, NUTR 209, NUTR/HLTH 408; site approved by School Director or Program Director; approval of Internship Coordinator, School Director, or Program Director. Graded S/U only.*

450 Professional Workshops in Nutrition. (1–3, repeatable with no maximum) These courses are intended for majors in Nutrition and Foodservice Management, minors in Nutrition, and others interested in the field. They are offered in the topic areas of Healthy Cooking (1 s.h.), Sports Nutrition (2 s.h.), and Weight Management (1 s.h.). *Prerequisite: NUTR 109 or permission of instructor.*

OPERATIONS MANAGEMENT (OM)

352 *(Cross-listed with MGT 352)* Operations Management. (3) Foundations for Operations Management as practiced in contemporary organizations. Focus is on the efficient and effective value-adding transformation of inputs into goods and services in both internal and external value chains. Extensive use of mathematics and statistics is involved. *Not open to students with credit in MGT 352.*

OVERSEAS STUDY (All)

The following courses facilitate the registration and tracking of students who enroll for study outside the U.S. These courses will appear on the student's transcript with the appropriate disciplinary course prefix.

279 Overseas Study*. (1–18, repeatable to 18) Coursework undertaken as part of an approved University overseas study program. *Prerequisite: approval of Study Abroad advisor and either the School Director or Program Director.*

379 Overseas Study*. (1–18, repeatable to 18) Coursework undertaken as part of an approved University overseas study program. *Prerequisite: approval of Study Abroad advisor and either the School Director or Program Director.*

** Title is flexible as approved by School Director or Program Director.*

OVERSEAS STUDY (OVST)

The following courses facilitate the registration and tracking of students who enroll for study outside the U.S. These courses will appear on the student's transcript with the OVST prefix and as 0 s.h.

279 Overseas Study*. (0–18) Participation in an approved overseas study for up to one year at another approved university. *Prerequisite: approval of Study Abroad advisor. Graded S/U only.*

379 Overseas Study*. (0–18) Participation in an approved overseas study for up to one year at another approved university. *Prerequisite: approval of Study Abroad advisor. Graded S/U only.*

** Title is flexible as approved by School Director or Program Director.*

PHILOSOPHY (PHIL)

100 Introduction to Philosophy. (3) (General Education/Humanities) An introduction to some of the fundamental problems and major theories in philosophy. Topics may include the existence of God, knowledge and skepticism, the nature of mind, free will and determinism, and the nature of ethical reasoning.
IAI: H4 900.

120 Contemporary Moral Problems. (3) (General Education/Humanities) An introduction to ethics, with an emphasis on applied ethics and moral reasoning. Different moral theories will be used to explore topics such as sexuality, reproductive issues, animal rights, environmental ethics, racial and gender discrimination, euthanasia, and capital punishment.
IAI: H4 904.

140 Logic and Reasoning. (3) (General Education/Humanities) An introduction to logic and reasoning with emphasis on practical applications including scientific reasoning. The course examines methods for evaluating the structures of inductive and deductive arguments and how language is used in argumentation.
IAI: H4 906.

205 Philosophy, Law and Society. (3) An introductory course considering some fundamental philosophical problems concerned with law and society including power and authority, anarchy and freedom, law and justice, crime and punishment.
IAI: H4 907.

220 ***(Cross-listed with WS 220)*** **Feminism and Ethics. (3) (Multicultural)** A multicultural and comparative investigation of feminist issues in ethics and women's contributions to moral theory. *Not open to students with credit in WS 220.*

300 History of Ancient Philosophy. (3) A study of the origin of Western philosophy and the development of philosophical ideas in Ancient Greece, beginning with the earliest Pre-Socratic philosophers and including Socrates, Plato, and Aristotle. *BGS online writing course. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

310 History of Modern Philosophy. (3) An examination of the central metaphysical and epistemological doctrines of such seventeenth and eighteenth century philosophers as Descartes, Locke, Berkeley, Hume, and Kant. Topics may include knowledge, skepticism, innate ideas, substance, God, causality, mind, and perception. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

312 Philosophical Writing. (1) Instruction and experience in writing a paper which explains and critically evaluates a philosophical text or argument. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 280 and consent of Program Director. Corequisite: any 300- or 400-level Philosophy course.*

325 Existentialism. (3) An examination of the ideas of freedom, self/other, the value of authenticity, death, and the meaning of existence in the works of major existentialist philosophers such as Kierkegaard, Nietzsche, Heidegger, Sartre, De Beauvoir, and Camus. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

330 Moral Philosophy. (3) A study of classical and contemporary ethical ideas and theories such as moral relativism, egoism, Kantian ethics, utilitarianism, and virtue ethics. *BGS online writing course. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

335 Epistemology. (3) A critical study of selected topics in epistemology, such as the analysis of knowledge, skepticism, a priori knowledge, and the nature and structure of justification. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

345 Metaphysics. (3) A critical study of selected topics in metaphysics, such as the nature of properties, possible worlds, personal identity, free will, the mind, time, and the possibility of metaphysical knowledge. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

400 Social and Political Philosophy. (3) An investigation of some of the philosophical problems arising from political society, such as authority and obligation, freedom and rights, justice and equality, coercion and punishment. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

405 Philosophy of Religion. (3) A critical examination of the philosophical issues arising from religious beliefs, utilizing historical and contemporary writings. Topics may include the existence of God, evil, faith, religious pluralism, and the relation between religious beliefs and ethics. *Not open to students with credit in REL 405. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

415 Philosophy of Science. (3) An examination of philosophical problems arising from the natural sciences such as the nature of scientific explanation and the justification of scientific theories. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

420 Philosophy of Law. (3) An examination of philosophical problems raised by law including the nature and aims of law, the relation of law and morality, the rationale of legal responsibility and punishment, and legal obligation and the rule of law. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

425 Philosophy of Mind. (3) A critical study of selected topics in the philosophy of mind, such as consciousness, intentionality, dualism, the varieties of materialism, functionalism, and artificial intelligence. *Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

440 Legal Reasoning. (3) An investigation into judicial decision making and legal reasoning focusing on case precedent, logical coherence, and the role of interpretation in the reasoning process. *Prerequisite: any 100- or 200-level Philosophy course or permission of instructor.*

499 Directed Readings. (1–3, repeatable with no maximum) Individual study of particular philosophical texts or problems. *Prerequisites: two courses in Philosophy and consent of the instructor. By arrangement.*

PHYSICAL EDUCATION TEACHER EDUCATION (PETE)
Formerly KINESIOLOGY (KIN)

115 Social Dance Forms. (1) Basic fundamentals of ballroom movement. Beginning levels in Fox Trot, Lindy, Waltz, Polka, and country western dances. *Not open to students with credit in PETE 120.*

120 Contemporary Social Dance. (3) Common and specialized content knowledge and skills needed to instruct dance traditions representing diverse cultures' unique forms of self-expression are learned in order to instruct PreK–12 learners about historical and contemporary social dance. *Grade of C- or better required. Not open to students with credit in PETE 115. Prerequisite: Physical Education Teacher Education major.*

124 Educational Gymnastics. (1) Performance and analysis of educational gymnastics skills appropriate for children. *Prerequisite: Physical Education Teacher Education major.*

135 Lifelong Leisure Activities. (2) Surveys contemporary noncompetitive activities suitable for participation throughout the lifetime. Examples include hiking, walking, rope challenge course, and adventure activities. *Prerequisite: Physical Education Teacher Education major.*

145 International Net/Wall Games. (3) Common and specialized content knowledge and skill development in movement concepts and tactics associated with games where a ball is sent to a wall or over a net (e.g., tennis, badminton, volleyball). *Grade of C- or better required. Not open to students with credit in PETE 226. Prerequisite: Physical Education Teacher Education major.*

155 International Invasion Games. (3) Common and specialized content knowledge and skill development in movement concepts and tactics associated with invasion games (e.g., basketball, soccer, flag football, floor hockey). *Grade of C- or better required. Not open to students with credit in PETE 251. Prerequisite: Physical Education Teacher Education major.*

160 Introduction to Physical Education. (2) Introductory course in Physical Education that presents educational and professional responsibilities and foundations of Physical Education. Designed to help students considering a career in Physical Education to formalize their decision to study Physical Education. *Requires 10-hour field experience.*

215 Creative Performance Activities. (3) Theory and practice of instructing creative performance activities (e.g., gymnastics, creative dance, and circus arts). Common and specialized content knowledge of creative performance activities will include choreographing routines, basic biomechanical principles, motor learning, motor development, and physical education pedagogical theory. *Grade of C- or better required. Prerequisite: Physical Education Teacher Education major.*

225 Contemporary Fitness Activities. (3) Common and specialized content knowledge and skill in traditional (calisthenics resistance training), group (e.g., dance and step aerobics, Zumba, kickboxing, spinning), and contemporary fitness activities (yoga, Pilates, Tai Chi). *Grade of C- or better required. Not open to students with credit in PETE 252. Prerequisite: Physical Education Teacher Education major.*

226 Net/Wall Games. (2) Content knowledge and skill development in movement concepts and tactics associated with games where a ball is sent to a wall or over a net (e.g., tennis, badminton, volleyball). Development of resource notebook required. *Not open to students with credit in PETE 145. Prerequisite: Physical Education Teacher Education major.*

235 Aquatics. (2) Theory and practice of instructing aquatic skills and activities, as well as basic management practices. Common and specialized content knowledge of aquatics will include hydrodynamic concepts, motor learning, motor development, and physical education pedagogical theory. *Grade of C- or better required.*

245 International Target/Field Games. (3) Common and specialized content knowledge and skill development in movement concepts and tactics in games where balls are pitched, hit, fielded (baseball, softball, cricket) or where the objective is to place an object into a target (bowling, golf). *Grade of C- or better required. Not open to students with credit in PETE 253. Prerequisite: Physical Education Teacher Education major.*

249 Foundations in Assessment-Driven Physical Education. (3) Theoretical foundations for performing assessment to be applied to sound Physical Education lessons that address all learners' needs. The course includes creating and implementing assessments that align with state and national standards, instructional goals, and learning experiences. *Grade of C- or better required. Not open to students with credit in PETE 250.*

250 Instructional Foundations in Physical Education. (2) Theoretical and philosophical foundations of instruction and learning in Physical Education with opportunities to apply these essential concepts. *Grade of C- or better required. Not open to students with credit in PETE 249. Prerequisites: KIN 270; PETE 160.*

251 Invasion Games. (2) Content knowledge and skill development in movement concepts and tactics associated with invasion games (e.g., basketball, soccer, flag football, floor hockey). Development of resource notebook required. *Not open to students with credit in PETE 155. Prerequisite: Physical Education Teacher Education major.*

252 Contemporary Physical Activities. (1) Content knowledge and skill in movement concepts associated with contemporary physical activities (e.g., yoga, Pilates, tai chi). Development of resource notebook required. *Not open to students with credit in PETE 225. Prerequisite: Physical Education Teacher Education major.*

253 Target/Field Games. (2) Content knowledge and skill development in movement concepts and tactics in games where balls are pitched, hit, and fielded (baseball, softball) or where the objective is to place an object into a target (bowling, golf). Development of resource notebook required. *Not open to students with credit in PETE 245. Prerequisite: Physical Education Teacher Education major.*

255 Elementary Movement Fundamentals. (2) Development of knowledge and skill in fundamental movement skills, movement concepts, and basic elements of dance. Designed to provide a content base for elementary school Physical Education programs. *Prerequisite: PETE 160.*

265 Assessment-Driven Physical Education. (2) Creating assessments to inform instruction for learners with a wide array of skills and abilities. The course includes knowledge and skills in data organization, storage, analysis, and theoretically sound instructional methods to effectively instruct developmentally appropriate physical education lessons. *Grade of C- or better required. Prerequisite: PETE 249 or 250.*

325 Principles of Health-Related Fitness for the Physical Educator. (3) Principles of health-related fitness and policies of wellness in school-based Physical Education programs. Focusing on application, development, assessment, and teaching of cardiovascular and strength training principles. *Prerequisite: Physical Education Teacher Education major or Coaching minor. 2 hrs. lect.; 2 hrs. lab.*

360 Methods of Elementary Physical Education. (2) Introduction to teaching Physical Education in K–5. Designed especially for the elementary classroom teacher candidate. May include some field experiences and outside teaching assignments. *Not open to Kinesiology majors.*

364 Physical Education for Elementary Grades Field Experience. (1) Instruct lessons in an authentic elementary learning environment based upon current physical education pedagogical theory. Supervision, guidance, and feedback to the teacher candidate by the course instructor at the school. *Grade of C- or better required. Prerequisite: Physical Education Teacher Education major. Corequisite: PETE 365.*

365 Physical Education Methods for Elementary Grades. (3) Planning, implementing, and reflecting upon lessons instructed to elementary learners (PreK–6) that are developmentally appropriate. Information will focus on management, content development, learner engagement, and diversifying instruction for individual learners. *Grade of C- or better required. Prerequisite: PETE 265. Corequisite: PETE 364. Additional charge for this course. 3 hrs. lect.*

393 Adapted Physical Education. (3) Characteristics of individuals with disabilities across the lifespan. Emphasis on modifications and instructional strategies for physical activity in the physical education, recreation, sports, and fitness settings. Includes clinical experience. *Grade of C- or better required for Teacher Education majors. Prerequisite: junior or senior standing. Additional charge for this course. 2 hrs. lect.; 2 hrs. lab.*

395 Assessment in Adapted Physical Education. (2) Content centered on purposes, methods, appropriate tools, and processes of assessment (referral, screening, assessment, program implementation, and evaluation) for individuals with disabilities. The focus of the assessment will be in the areas of motor skills and physical fitness. *Prerequisites: PETE 265 and 393.*

438 Physical Education Secondary Grades Field Experience. (1) Instruct lessons in an authentic secondary learning environment based upon current physical education pedagogical theory. Supervision, guidance, and feedback to the teacher candidate by the course instructor at the school. *Grade of C- or better required. Prerequisites: ENG 280 and Physical Education Teacher Education major. Corequisite: PETE/EDUC 439.*

461 Field Experiences. (1) 30-hour observation and teaching experience in area K–12 Physical Education programs with on-campus seminars sessions. *Grade of C- or better required. Prerequisite or Corequisite: EDUC 439 in the Nursing program; PETE 477; fully accepted in the Teacher Education Program (TEP). Additional charge for this course.*

477 Physical Education Curriculum. (3) Planning, sequencing, implementing, and evaluating developmentally appropriate and standards driven Physical Education curricula in K-12 Physical Education programs. *Writing Instruction in the Disciplines (WID) course. Prerequisites: acceptance into the Teacher Education Program (TEP); ENG 280. Corequisite: PETE 461.*

PHYSICAL EDUCATION TEACHER EDUCATION METHODS (EDUC)

439 Secondary Physical Education Methods. (3) Planning, implementing, and reflecting upon lessons instructed to secondary students (Grades 6–12) that are developmentally appropriate. Information will focus on management, motivation, learner engagement, and diversifying instruction for individual learners. *Grade of C- or better required. Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280; PETE 365. Corequisite: PETE 438. 3 hrs. lect.*

PHYSICS (PHYS)

A lab usage charge applies to all Physics laboratory courses.

100 Physics for Society. (4) (General Education/Natural Sciences) A survey course in Physics that introduces basic principles and applications in the modern world. Uses algebra at the high school level. *3 hrs. lect.; 2 hrs. lab.* ***IAI: P1 901L.***

101 Introduction to Astronomy. (3) (General Education/Natural Sciences) A basic introduction to modern astronomy, examining the physical principles of telescopes, gravity, radiation and atoms, the solar system, stars, galaxies, and cosmology. No Physics or Mathematical background beyond high school algebra and physical science is assumed. *No prerequisites.* ***IAI: P1 906.***

Applied Physics (114, 115) is a one-year sequence which stresses basic concepts and applications to practical problems. Designed for the non-science major, it satisfies the general requirements for a laboratory science.

114, 115 Applied Physics. (4 each) (General Education/Natural Sciences) Includes mechanics with hydrostatics and hydrodynamics; heat and thermodynamics; wave motion and optics; D.C. electricity, magnetic induction, and A.C. electricity. Assumes that students have a knowledge of high school algebra and trigonometry. *Recommended, but not required, to take the course in sequence. 3 hrs. lect.; 2 hrs. lab.* ***IAI: P1 900L.***

General Physics (124, 125) is a non-calculus general Physics sequence designed to meet the needs of all science majors who do not plan to take the Physics 211–214 sequence.

124, 125 General Physics. (4 each) A two-semester introduction to basic ideas and experimental methods in such areas as mechanics and the conservation laws; wave motion and sound; heat and temperature; electricity and magnetism; light and optics; atomic and nuclear Physics. Assumes that students have a knowledge of high school algebra and trigonometry. *The course must be taken in sequence. 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.*

150 Energy and the Environment. (4) (Multicultural) An introductory course concerned with the global and international topics of energy conversion, air and land pollution, and alternative energy sources. Uses algebra at the high school level. *3 hrs. lect.; 2 hrs. lab.*

177 Introduction to Physics Research Methods. (1–3, repeatable to 9) Individualized course covering research methods in Physics intended for freshmen and dual-credit high school students interested in conducting a research project under faculty supervision. *Prerequisite: consent of instructor.*

182 *(Cross-listed with GEOG 182)* Integrated Science II. (4) A laboratory course in interdisciplinary science with an emphasis on the Earth's place in the physical universe. Topics address the nature of matter and energy and their impact on the Earth's weather and climate. *(Integrated Science I is BIOL/GEOL 181) Not open to students with credit in GEOG 182. Prerequisite: MATH 100 or 110. 3 hrs. lect.; 2 hrs. lab.*

University Physics (211, 212, 213, and 214) is a calculus-based general Physics sequence designed for science and Pre-Engineering majors.

211 University Physics I. (4) (General Education/Natural Sciences) Motion, Newton's laws, forces, momentum, energy, work, rotation, and simple harmonic motion. *Prerequisite or Corequisite: MATH 133. 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.*
IAI: P2 900L; PHY 911.

212 University Physics II. (4) Kinetic theory, thermodynamics, wave motion, sound, optics. *Prerequisite: PHYS 211. Prerequisite or Corequisite: MATH 134. 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.* ***IAI: EGR 913; PHY 913.***

213 University Physics III. (4) Electrostatics, electric fields, D.C. circuits, magnetism, A.C. circuits, and introduction to basic electronic devices. *Prerequisite: PHYS 211. Prerequisite or Corequisite: MATH 134. 3 hrs. lect.; 1 hr. discussion; 2 hrs. lab.* ***IAI: PHY 912.***

214 University Physics IV. (3) Relativity, blackbody radiation, atomic structure and spectra, introduction to quantum mechanics, selected topics from nuclear and solid state Physics. *Prerequisites: PHYS 212 and 213, or 125. 3 hrs. lect.; 2 hrs. lab.*

271 Careers in Physics. (0) Individualized course for freshman and sophomore Physics majors, discussing modern careers in Physics and the corresponding technical skills required, to prepare them to attain the necessary skills in their junior and senior years. *Prerequisite: consent of instructor. Graded S/U only.*

300 Concepts of Modern Physics. (3) This course is intended for Physics minors, and it focuses on the main concepts of modern physics such as relativity, quantum mechanics, statistical mechanics, solid state physics, and nuclear and particle physics. *Cannot be applied toward Physics major. Prerequisite: Students must have completed one of the following sequences required for a Physics minor: PHYS 114/115, 124/125, 211/212, or 211/213; or consent of instructor.*

305 Mathematical Methods of Physics I. (3) Vector analysis, matrices, determinants, infinite series, applications of differential equations, numerical solutions. *Prerequisites or Corequisites: PHYS 214, MATH 231, or consent of instructor.*

310 Statics. (3) Basic concepts of statics with engineering applications including rigid bodies, simple structures, flexible cables, beams, friction, virtual work. *Not available to students who are currently enrolled in or have completed ENGR 211. Prerequisite: PHYS 211.*

311 Classical Mechanics. (3) Basic concepts of dynamics including Newton's laws, energy, momentum, rigid body dynamics, oscillators, Lagrange's method, central forces, accelerated coordinate systems. *Prerequisite: PHYS 211 and 305, or consent of instructor.*

354 Thermodynamics. (3) Concept of temperature; the first, second, and third laws of thermodynamics; applications to gases; change of state; kinetic theory; and applications to simple models of familiar situations. *Prerequisites: PHYS 212. Prerequisite or Corequisite: PHYS 305 or consent of instructor.*

381 *(Cross-listed with BIOL/CHEM/GEOL/MATH/METR 381)* Introduction to STEM Teaching. (1) Introduction to the science of how students learn, with special emphasis on applications in Science, Technology, Engineering, and Math (STEM) disciplines. Students will connect principles of cognitive psychology and theories of learning to the practice of teaching in STEM classrooms. *To be taken concurrently with a field or student work placement approved by the instructor. Not open to students with credit in BIOL/CHEM/GEOL/MATH/METR 381. Prerequisites: at least one introductory*

level science or math course with a grade of B or higher, AND permission of the instructor.

406 Mathematical Methods of Physics II. (3) Complex variables, orthogonal functions, special functions, general solution of partial differential equations in Physics. Fourier series and Fourier integrals. *Prerequisite: PHYS 305.*

410 Computational Methods. (3) Introduction to programming and applications of modern programming languages to numerical and analytical calculations, data fitting, simulation of physical problems, and individualized work on problems chosen from the student's field of interest. *Prerequisites: one year of introductory Physics, one year of calculus, or consent of instructor.*

418 *(Cross-listed with BIOL/CHEM/GEOL 418)* Introduction to Scanning Electron Microscopy. (4) The course focuses on capabilities and operation of scanning electron microscopes with emphasis on beam-material interactions, sample preparation, image acquisition and analysis, and X-ray measurements with applications in Biology, Chemistry, Geology, and Physics. *Not open to students with credit in BIOL/CHEM/GEOL 418. Prerequisites: BOT 200 (C grade or better), or CHEM 202, or MICR 200 (C grade or better), or PHYS 125, or PHYS 212, or ZOOL 200 (C grade or better); or consent of instructor. 3 hrs. lect.; 2 hrs. lab.*

420 Electricity and Magnetism I. (3) Electrostatics, magnetostatics, electromagnetic induction, introduction to Maxwell's equations. *Prerequisites: PHYS 213. Prerequisite or Corequisite: MATH 333 or PHYS 406, or consent of instructor.*

421 Electricity and Magnetism II. (3) Maxwell's equations, plane EM waves in infinite media, reflection and refraction of EM waves, guided EM waves, radiation of EM waves, relativistic treatment of electricity and magnetism. *Prerequisite: PHYS 420.*

427 Advanced Electronics. (3) Electronic measurement fundamentals, passive circuit elements, analog electronics (op amps, transducers, noise reduction), digital electronics (logic gates, flip flops, counters, combinational and sequential circuitry), D/A and A/D conversion, data acquisition techniques. *Prerequisite: PHYS 115 or 125 or 213. 2 hrs. lect.; 2 hrs. lab.*

428 Applied Optics. (4) Geometrical optics, diffraction, interferometry, polarization, laser construction, optical materials, holography. Modern optical techniques and instrumentation are emphasized. *Prerequisite: PHYS 125 or 212. 3 hrs. lect.; 2 hrs. lab.*

430 Introductory Quantum Mechanics I. (3) Atomic nature of matter, introduction to quantum mechanics including Schroedinger equation. *Prerequisite: PHYS 214. Prerequisite or Corequisite: MATH 333 or PHYS 406, or consent of instructor.*

431 Introductory Quantum Mechanics II. (3) Spin, fine structure, atomic spectroscopy, perturbation theory, applications. *Prerequisite: PHYS 430.*

461 Stellar Astrophysics. (3) Introduces basic concepts and tools in modern astrophysics, including celestial mechanics, spectroscopy, and telescopes. Provides a comprehensive description of stellar astrophysics. The physical processes and observational characteristics of stars in hydrostatic equilibrium, including our sun, are analyzed. *Prerequisite: PHYS 214 or permission of the instructor.*

462 Galactic and Extragalactic Astrophysics. (3) An overview of galactic and extragalactic astrophysics. The Milky Way galaxy is studied in detail, including dark matter and stellar evolution. Other galaxies, the large scale properties of the universe, and cosmology are discussed. *Prerequisite: PHYS 214 or consent of the instructor.*

464 Introduction to Materials Science. (3) This course explores the fundamentals of structure and properties of materials. Topics include: classification of materials; structure and bonding; electrical, thermal, magnetic, and optical properties; and applications. *Prerequisite or corequisite: PHYS 430.*

470 Modern Experimental Physics. (2) Laboratory experiments illustrating both the development of modern physics and modern experimental systems techniques. Experiments cover a range of topics. *Prerequisite: PHYS 214.*

472 *(Cross-listed with CHEM 472)* Experimental Techniques in Materials Science. (2) This course explores basic experimental techniques used in studying the structure and properties of materials. Students will gain hands-on experience in operating a variety of instruments, and learn to collect and analyze data to study the properties of materials. *Not open to students with credit in CHEM 472. Prerequisite: PHYS 464.*

476 Special Topics in Physics. (1–4, repeatable with no maximum) Lecture course in topics of current interest, to be announced in the class schedule. Topics based on the student's previous training and interests. *Prerequisite: consent of instructor.*

477 Special Problems in Experimental and Theoretical Physics. (1–4, repeatable with no maximum) Individualized study of any phase of Physics not otherwise covered. Opportunity for undergraduates to engage in experimental or theoretical research under staff supervision. *Prerequisite: consent of the instructor.*

478 Physics Internship. (1–12) A one-semester on-the-job experience in an industrial facility or a research laboratory. *Prerequisite: PHYS 477 and permission of School Director or Program Coordinator.*

481 *(Cross-listed with BIOL/CHEM/GEOL/METR 481)* Techniques and Issues in Science Teaching. (3) An interdisciplinary course wherein preservice middle and high school science teachers develop techniques and resources appropriate for their instructional program, deepen understanding of scientific concepts, and examine lab safety. Requires involvement in several professional development activities outside of class time. *Not open to students with credit in BIOL/CHEM/GEOL/METR 481. Prerequisites: EDUC 439 and ENG 280 or equivalent. Corequisite: BIOL/CHEM/GEOL/METR/PHYS 482.*

482 *(Cross-listed with BIOL/CHEM/GEOL/METR 482)* Science in Context. (3) Interdisciplinary course for science majors in which students explore science through inquiry, the unifying principles of science, and the role of social contexts and ethics in science. *Writing Instruction*

in the Disciplines (WID) course. Not open to students with credit in BIOL/CHEM/GEOL/METR 482. Prerequisites: senior standing in one of the following science majors—Biology, Chemistry, Physics, or Meteorology; ENG 280; or permission of instructor.

490 Seminar. (2) Reading, discussion, and criticism of selected topics. Oral presentation and formal paper on a chosen topic. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280.*

491 Honor Thesis. (1–3, not repeatable) A Physics thesis prepared by an Honors student under the direction of one or more Physics faculty members. *Prerequisite: Honors in the Major candidate in Physics and junior or senior standing.*

499 Assessment of Physics Knowledge. (0) Students pursuing a bachelor's degree in Physics are required to take this course in their last semester. Students will complete an assessment of their knowledge of physics concepts. *Prerequisites: senior standing and permission of the Instructor. Prerequisite or corequisite: PHYS 490. Graded S/U only.*

PHYSICS EDUCATION (EDUC)

239 Pre-Teacher Education Program Admittance. (0, repeatable with no maximum) Students pursuing teacher licensure are required to take this course in the semester they plan to be fully accepted in the Teacher Education Program (TEP). Students must meet established School criteria for admittance to TEP. *Graded S/U only.*

339 Pre-Student Teaching Clearance. (0) Students pursuing teacher licensure are required to take this course prior to their student teaching semester. Students must meet established criteria for School clearance to student teach. *Prerequisites: Full admittance to the Teacher Education Program (TEP). Graded S/U only.*

439 Methods of Teaching Middle and High School Science. (3) Study of secondary teaching methods (Grades 6–12) from the standpoints of theory and practice, curriculum objectives and standard implementation, materials, and evaluation and assessment. Included are demonstrations, discussions, lectures, classroom participation, and field observations. *Prerequisites: BIOL/CHEM/GEOL/METR/PHYS 381, and EDS 301 (both with C- grade or better). Corequisite: EDS 303.*

469 Pre-Licensure Clearance. (0) Students pursuing teacher licensure are required to take this course in the semester they student teach. Students must meet criteria established by the School in order to be recommended for licensure. *Prerequisite: School clearance to student teach. Corequisite: Student Teaching (STCH). Graded S/U only.*

480 Student Teaching. See STCH 480.

POLITICAL SCIENCE (POLS)

(American Government and Politics)

122 American Government and Politics. (3) (General Education/Social Sciences) Development, organization, powers, limitation, and practical problems of the governmental and political system of the United States. ***IAI: S5 900.***

223 State Government and Politics. (3) The role of state and local governments within the American federal system. ***IAI: S5 902.***

311 *(Cross-listed with AAS 311)* Race and Ethnicity in American Politics. (3) This course examines how racial and ethnic minority groups shape, and are shaped by, American politics and society. It focuses primarily on the politics of specific racial and ethnic minority groups in the United States. *Not open to students with credit in AAS 311. Prerequisite: POLS 122 or permission of instructor.*

315 Illinois Government and Politics. (3) A comprehensive study of Illinois government. Special attention to constitutional developments and the organization and functioning of the government. *Prerequisite: POLS 122 or 223, or permission of instructor.*

317 The Congress. (3) The role of the national legislature in its relationship to the structure of American government and the legislative process. *Prerequisite: POLS 122 or permission of instructor.*

318 The Presidency. (3) Analysis of the powers of the President and the relationship of the office to the legislative and judicial branches. *Prerequisite: POLS 122 or permission of instructor.*

319 The Judiciary. (3) Functions and role of the federal court system and the judicial process. Emphasis on decision-making, judges, the legal profession, and administration of the courts. *Prerequisite: POLS 122 or permission of instructor.*

328 Politics and the Media. (3) This course will explore the power and limits of the media in American politics as well as the ways in which the media defines the "news." *Prerequisite: POLS 122 or permission of instructor.*

395 Politics and Religion in America. (3) The impact of religion in contemporary American political life, focusing on constitutional issues, electoral politics, and more generally, the interaction between politics and religion. *Prerequisite: POLS 101 or 122 or permission of instructor.*

410 Constitutional Law: Government Organization and Powers. (3) An examination of constitutional law in the United States with special emphasis on cases dealing with the framework, powers, and functions of the federal system. *Prerequisite: POLS 122 or permission of instructor.*

411 Constitutional Law: Civil Liberties and Civil Rights. (3) An examination of U.S. Constitutional law, with special emphasis upon civil liberties and civil rights cases. *Prerequisite: POLS 122 or permission of instructor.*

448 The Supreme Court. (3) An examination of the process and politics of the U.S. Supreme Court with emphasis on decision making and on a simulation of the Supreme Court process. *Prerequisite: POLS 122 or permission of instructor.*

470 Urban Government and Politics. (3) Organization and functions of the government of cities: urban politics, problems, and policies. *Prerequisite: POLS 122 or 300 or permission of instructor.*

(Comparative Government and Politics)

267 Introduction to Comparative Government and Politics. (3) (General Education/Social Sciences) (Multicultural) An introduction to important analytical concepts in comparative politics, the major types of political systems, and major components of the political process.
IAI: S5 905.

322 European Politics. (3) (Multicultural) This course examines the origins and bodies of the European Union, major issues in contemporary European politics and society, and the political institutions of European countries, including Britain, France, Germany, and Poland. *Prerequisite: POLS 267 or permission of instructor.*

324 Politics of Immigration. (3) Course will examine issues related to immigration politics and policy, including how select nations decide how many immigrants should be admitted and who should be admitted. *Prerequisites: POLS 101 or 122 or permission of instructor.*

329 Latin American Politics. (3) (Multicultural) An examination of the colonial legacy, role of the United States in the region, current economic and social conditions, and political institutions of different countries including Cuba, Nicaragua, Mexico, Brazil, and Argentina. *Prerequisite: POLS 267 or permission of instructor.*

400 Comparative Public Policy. (3) (Multicultural) Examines the public policy process and public policy outcomes using a comparative perspective. It analyzes different policy areas (immigration, crime, drugs, etc.) in diverse contexts—industrial and developing countries—and in selected cases in the Americas, Europe, and Asia. *Prerequisite: POLS 300 or 302 or permission of instructor.*

(International Relations)

228 Fundamentals of International Relations. (3) (General Education/Social Sciences) (Multicultural) An introduction to both the major concepts and approaches in the study of international relations, and to the contemporary international system, its components, and its problems.
IAI: S5 904.

305 International Relations Theories and Approaches. (3) A systematic analysis of theories and approaches in the study of international relations intended as a follow-up course to POLS 228 and a theoretical preparation for other international relations courses. *Prerequisites: POLS 228 or permission of instructor.*

331 United States Foreign Policy. (3) (Multicultural) The role of the United States in the family of nations. The apparatus, materials, and methods of foreign policy. The significance of foreign policy as part of the political system of the United States. *Prerequisite: POLS 122 or 228, or permission of instructor.*

334 Politics of the Global Economy. (3) (Multicultural) Political analysis of theories and operation of the modern international economy, including international institutions and transnational corporations, the globalization of finance and production, and issues of dominance and dependence. *Prerequisite: POLS 228 or permission of instructor.*

338 The United Nations and International Organization. (3) (Multicultural) A study of world and regional organization as reflections of world politics, as instruments of foreign policies, and as forces for change and order. *Prerequisite: POLS 228 or permission of instructor.*

340 US-China Relations. (3) Study of contemporary relations between the United States and China, examining shifting patterns of cooperation and competition on a wide range of issues. *Prerequisite: POLS 228 or permission of instructor.*

424 Politics, Poverty, and Society in the Developing World. (3) This course introduces students to the main challenges facing developing countries, including but not limited to democratic change, the struggle against poverty, ethnic conflicts, rural and urban change, and the role of women. *Prerequisite: POLS 267 or permission of instructor.*

435 Introduction to International Law. (3) A study of theories, origins, sources, development, and trends of international law as a factor in various aspects of international politics. *Prerequisite: POLS 228 or permission of instructor.*

440 National Security and Arms Control. (3) (Multicultural) Systematic analysis of the disarmament efforts of nations; problems of U.S. national security and arms control; economic and political implications. *Prerequisite: POLS 228 or permission of instructor.*

446 Conflict Resolution and International Peacekeeping. (3) (Multicultural) Study of the history and practice of international peacekeeping operations. Emphasis on international organizations and the feasibility of conflict resolution and collective security. *Prerequisites: POLS 122 and 228.*

(Political Theory)

200 Introduction to Political Thought. (3) Survey of political theorists from Socrates to present with special emphasis on the themes of justice, community, equity, liberty, and freedom.
IAI: PLS 913.

381 Classical Political Theory. (3) The development of Western political philosophy from Plato to Machiavelli with particular emphasis on justice and the good society. *Prerequisite: POLS 101 or 122, or permission of instructor.*

382 Modern Political Theory. (3) A study of modern and contemporary political theories from Machiavelli to the present with particular emphasis on such concepts as justice, liberty, freedom, and equality. *Prerequisite: POLS 101 or 122, or permission of instructor.*

383 American Political Thought. (3) Introduction to political theory in the United States designed to present a balanced picture of the origins and development of American political ideas from colonial times to the present. *Prerequisite: POLS 101 or 122, or permission of instructor.*

389 Politics and Ethics. (3) The course will focus on the ethics of the process of decision making by public officials in a representative democracy. The course also will examine the ethical issues raised by public policies on abortion, affirmative action, and the environment. *Prerequisite: POLS 122.*

(Public Administration)

300 Introduction to Public Administration. (3) Policy development and the implementation by governmental agencies; the exercise of discretion by administrative bodies, their responsibility to elected public officials, and their responsiveness to societal demands. *Prerequisite: POLS 101 or 122, or permission of instructor.*

302 Introduction to Public Policy. (3) A comprehensive study of public policymaking and systematic description, explanation, and evaluation of the processes in which public policies are developed, legitimized, funded, implemented, and evaluated in terms of their social impact. *Prerequisite: POLS 101 or 122 or permission of instructor.*

490 Public Policy Analysis and Bureaucracy. (3) The role of the public bureaucracy in the policy-making and policy-formation process. Legislative and judicial policy-making are contrasted with administrative policy-making. *Prerequisite: POLS 300 or 302 or permission of instructor.*

493 Seminar in Organization Theory and Behavior. (3) Review of classical and modern theories of administration. Goals and expectations of high echelon administrators. Treatment of authority relationships in formal organizations. *Prerequisite: POLS 300 or 302 or permission of instructor.*

494 Public Budgeting. (3) Financial and budgetary processes and problems of public agencies at various governmental levels. Includes types and functions of budgets. Systematic program evaluation and budgetary allocation questions are emphasized. *Prerequisite: POLS 300 or 302 or permission of instructor.*

(General and Special Courses)

101 Introduction to Political Science. (3) (General Education/Social Sciences) Designed to acquaint the beginning student with the scope and methods of Political Science and with basic elements of democratic theory.
IAI: S5 903.

224 Latinx Politics. (3) This course introduces students to the historical and current role of Latinx population in the US democracy, including the struggles during the civil rights movement, increased registration and voting in recent times, and the importance of Latinx in recent elections. *Prerequisite: POLS 101 or 122, or permission of instructor.*

226 Introduction to Law and Society. (3) An introduction to a variety of perspectives of law and society including the origins and functions of law, law as an agent of social control and social change, tort reform, the role of lawyers, and modern legal controversies.

284 Political Research and Analysis. (3) Designed to acquaint the student with the relationship between political theory and data. Relevant data bases in Political Science (e.g., political socialization, voting behavior) are used to explore and test hypotheses in Political Science. *Prerequisite: POLS 101 or 122, or permission of instructor.*

298 Individual Studies. (1–3) Special projects in Political Science carried out under the supervision of a faculty member. *Prerequisites: at least one other course in Political Science and permission of instructor.*

304 Judicial Simulation. (3) A course guiding students through basic trial procedure including opening and closing statements, examination of witnesses, rules of evidence, and case themes and strategies. *Prerequisite: POLS 122 or permission of instructor.*

306 Politics and Game Theory. (3) Game theory is a method to understand the strategic interaction between people in different situations using games. This course introduces game theory and applies it to Political Science topics such as voting, war, bargaining, campaigns, and jury decisions. *Prerequisite: POLS 122 or permission of instructor.*

308 *(Cross-listed with PSY 308)* Political Psychology. (3) A study of the psychological underpinnings of political behavior to better understand how individuals make sense of and react to the political world. *Not open to students with credit in PSY 308. Prerequisite: POLS 122 or PSY 100, or permission of instructor.*

335 *(Cross-listed with WS 335)* Women and Politics. (3) (Multicultural) An examination of the changing role of women in American politics. Focus on women as participants in politics, public policies of concern to women, and feminist theories of political change. *Not open to students with credit in WS 335. Prerequisite: POLS 101 or 122 or permission of instructor.*

353 Terrorism and Political Conflict. (3) (Multicultural) An examination of the political and ideological sources of modern terrorism and the evolving implications for international and domestic politics. *Prerequisite: POLS 228 or permission of instructor.*

380 Writing in Political Science. (3) Study and practice of writing in the discipline of political science with an emphasis on forms and genres common in political science research and careers. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 180 and 280, and permission of instructor.*

401 Independent Study. (1–6, repeatable to 6) Individual study and research in any subfield of Political Science. *Prerequisite: at least sophomore standing and permission of instructor and advisor.*

402 Internship in Public Affairs. (1-12, repeatable to 12) Actual work assignments in public or private agencies related to government, politics, or public affairs. *A maximum of 6 s.h. may be counted towards the Political Science major. Prerequisite: Political Science major or permission of Internship Coordinator and either School Director or Program Director.*

465 Genocide in Our Time. (3) (Multicultural) Case studies of recent genocides with examples form Europe, the Middle East, Asia, and Africa. Examination of the perspectives of social scientists, victims, perpetrators, and witnesses. *Prerequisite: POLS 228 or 267, or permission of instructor.*

479 Practicum in Survey Research Methods. (3) Students will work one-on-one with a faculty member on a research project in survey research. This course brings together the theory and practice of survey research methods. *Prerequisites: Successful completion of POLS 284.*

492 Senior Seminar in Political Science. (3) Survey of major concepts and theories of Political Science. Students will read important works from the discipline and will write a research paper. *Writing Instruction in the Disciplines (WID) course. Prerequisites: senior Political Science major, ENG 280, and permission of Political Science advisor.*

495 Professional Development in Political Science. (1) This course will prepare Political Science students for the job market or graduate school. Topics include formulating career goals, exploring career options, preparing resumes, applying for jobs or graduate school, practicing interview skills, and preparing a career portfolio. *Prerequisite: POLS 380, senior Political Science major, and permission of Political Science advisor.*

PORTUGUESE (PORT)

(Language Skills Course)

121 Elementary Portuguese I. (4) Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school Portuguese without permission of the Program Director.*

PSYCHOLOGY (PSY)

100 Introductory Psychology. (3) (General Education/Social Sciences) An introduction to Psychology including methods, theory, and data regarding the study of behavior. Topics include biological, social, learning, personality, motivation, and abnormal behavior.
IAI: S6 900.

200 Psychology as a Science and Profession. (3) A required course that provides an overview of career opportunities for Psychology majors; includes an introduction to scientific writing and APA style guidelines. *Prerequisites: Psychology major and PSY 100 and ENG 180, or permission of instructor.*

202 *(Cross-listed with AGE/ANTH/RSTA/SOC 202)* The Aging Person in the Social Context. (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/RSTA/SOC 202.*

221 Psychology of Child Development. (3) (General Education/Social Sciences) A presentation of the data and generalizations concerning the development of children from birth to adolescence. *Prerequisite: PSY 100 or permission of instructor.*
IAI: S6 903.

223 Research in Psychology I: Statistical Methods. (4) Introduction to basic statistical concepts, terminology, and methods used in social science research. Topics include measurement scales and descriptive and inferential statistics. Students will gain experience using software for data entry, analysis, display, and presentation of results. *Prerequisites: PSY 100 and must have completed the University General Education Curriculum baccalaureate-level skills in Mathematics requirement; Psychology major or permission of instructor.*

243 Mind, Brain, and Behavior. (3) This course is a study of basic principles of brain function and anatomy. The content covers current scientific methodologies and modern theories concerning mind and brain relationships. The course focuses on problem-solving related to popular topics in brain science. *Prerequisite: PSY 100 or permission of instructor.*

250 Human Social Behavior. (3) (General Education/Social Sciences) An introduction to the influences of social factors on behavior. Topics include helping, aggression, interpersonal attraction, attitudes, prejudice, and behavior in groups. *Prerequisite: PSY 100 or permission of instructor.*
IAI: S8 900.

251 Personality and Adjustment. (3) An introduction to the study of personality and its relation to human behavioral adjustment emphasizing such topics as relating to others, stress management, needs, values, and self-esteem. *Prerequisite: PSY 100 or permission of instructor.*

308 *(Cross-listed with POLS 308)* Political Psychology. (3) A study of the psychological underpinnings of political behavior to better understand how individuals make sense of and react to the political world. *Not open to students with credit in POLS 308. Prerequisite: POLS 122 or PSY 100, or permission of instructor.*

323 Research in Psychology II: Research Methodology. (3) An introduction to the use of scientific methods in the study of behavior. Techniques in designing, conducting, and reporting psychological research are covered. Lectures and laboratory. *Writing Instruction in the Disciplines (WID) course. Prerequisites: PSY 200, PSY 223 with a grade of C or better, and ENG 280.*

334 Perspectives on Substance Abuse. (3) This course is designed to provide students with a usable framework regarding the nature of substance abuse and dependence. Students will explore various perspectives on substance use, as well as current issues in its diagnosis and treatment. *Prerequisites: PSY 100 and 251, or permission of instructor.*

340 Fundamentals of Learning and Behavior. (3) A systematic presentation of the empirical findings concerning the acquisition, maintenance, and removal of behavioral patterns. Findings from the study of animal learning are stressed. *Prerequisite: PSY 223 or permission of instructor.*

343 Behavioral Neuroscience. (3) An examination of physiological or biological psychology emphasizing the relationships between behavior and underlying physiological mechanisms. *Prerequisites: BIOL 101 or ZOOL 200, and 6 s.h. of Psychology coursework, or permission of instructor.*

344 Perception. (3) A consideration of sensation and perception including color perception, constancies, and illusions. *Prerequisite: PSY 223 or permission of instructor.*

346 Motivation and Emotion. (3) The role of motives and emotions in the behavior of animals and humans including their physiological and psychological bases. *Prerequisite: 6 s.h. of Psychology coursework or permission of instructor.*

353 *(Cross-listed with ANTH 353)* Cultural Psychology. (3) (Multicultural) Examines culture as the physical environment, social institutions and practices, language, and the media that influences human behavior and mental processes. *Not open to students with credit in ANTH 353. Prerequisites: 9 s.h. of Psychology coursework and junior standing or permission of instructor.*

357 *(Cross-listed with WS 357)* Women and Work. (3) (Multicultural) Examination of major psychological issues encountered by women entering the workforce, including career choice, combining work and family life, leadership, and inequities. *Not open to students with credit in WS 357. Prerequisite: PSY 100.*

360 Research Practicum. (1, repeatable to 2) The course involves a research apprenticeship under the direction of a faculty member wherein the student will be involved in assisting faculty in conducting research and other relevant research activities. *Prerequisites: 9 s.h. of Psychology courses and a written contract with the student's research supervisor.*

380 Clinical Psychology. (3) A review of traditional and contemporary developments in clinical psychology with emphasis on recent developments in community mental health, nonbehavioral psychotherapy, group treatment, and clinical research. *Prerequisite: PSY 251 or permission of instructor.*

422 Adolescent Development. (3) A study of adolescence from the standpoints of growth and adjustment emphasizing the areas of physical, intellectual, social, and emotional development. *Prerequisite: PSY 100 and 221, or permission of instructor.*

423 Psychology of Adulthood and Aging. (3) A survey of the adult years from early adulthood to old age and the dying process. Emphasis will be placed on psychological theories and research related to aging and its implications. *Prerequisite: 9 s.h. in Psychology coursework, or graduate standing, or permission of instructor.*

424 Psychopathology. (3) This course examines the biopsychosocial aspects of psychopathology. Emphasis is placed on terminology, classification, sources, and empirically-based treatments (EBTs) associated with psychopathology. Students will understand pathological behavior patterns and apply knowledge of sources, symptoms, and EBTs. *Prerequisites: PSY 251 and junior or senior standing, or permission of instructor.*
IAI: PSY 905.

425 Psychology of Exceptional Children. (3) A psychological approach to children above and below the normal range in learning and behavior characteristics. Examines assessment techniques, methods of remediation or enhancement, and relevant federal and state legislation. *Prerequisite: PSY 221 or graduate standing, or permission of instructor.*

427 Health Psychology. (3) Examines how psychological theory and research have been used to study the behavioral, psychological, and social factors that affect physical health. Topics include how social scientists study coping with stress, pain, illness management, and prevention of unhealthy behaviors. *Prerequisites: PSY 223 and 251, or permission of instructor.*

430 History and Systems of Psychology. (3) A study of the important historical and contemporary schools of Psychology. The systems of Psychology are presented in an historical setting leading to an evaluation of trends in Psychology. *Prerequisite: PSY 323 or permission of instructor.*

433 *(Cross-listed with WS 433)* Psychology of Gender. (3) Examines the psychological, social, and biological bases for societal-defined sex roles. The knowledge of these factors will assist students in recognizing and understanding the influence of gender on human experiences (i.e., behaviors, cognitions, emotions, physiology) and relationships. *Not open to students with credit in WS 433. Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

434 Substance Abuse Treatment Approaches and Techniques I. (3) This course is designed to provide an introduction to basic therapy and counseling skills that are utilized in the treatment of substance abuse, as well as current brief therapy approaches. *Prerequisite: PSY 334.*

442 Principles of Behavior Modification. (3) An application of learning principles to modification of human behavior emphasizing operant and respondent principles. Topics include autistic behavior, academic learning, rehabilitation, token economies. *Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

443 Principles of Neuroscience with Laboratory. (4) A study of the nervous system from a multidisciplinary perspective. This perspective emphasizes physiological, genetic, neurochemical, and psychological explanations of nervous system function. This class will include a 3-hour lecture component and a two-hour lab. *Prerequisites: PSY 343; BIOL 330 or BIOL 340, or ZOOL 430, or CHEM 330, or CHEM 221, or KIN 270, or permission of instructor.*

444 Biopsychology of Drugs and Addiction. (3) A systematic study of the relationships between drugs and psychological processes (i.e., psychopharmacology) with emphasis on the roles of the central nervous system, individual experience, and the environment in determining the outcome of drug use. *Prerequisite: PSY 343 or ZOOL 200 or HLTH 123 or HLTH 442, or permission of the instructor.*

451 Personality. (3) An advanced treatment of the major research concepts and theoretical formulations of personality emphasizing integration of personality with other areas such as learning and social psychology. *Prerequisites: PSY 251 and an additional 6 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

452 Applied Social Psychology. (3) Coverage of major research and theories in social psychology, with a focus on applying psychology in practice. Emphasis on how theories can be applied to social problems, e.g., reducing wrongful convictions, health risks, prejudice, discrimination, and social exclusion. *Prerequisite: PSY 250 or permission of instructor.*

453 Psychology and Law. (3) A comprehensive study of the interface between Psychology and the legal system. Topics covered include the insanity defense, eyewitness memory, child interview procedures, and suspect interrogations. *Prerequisite: 9 s.h. of Psychology coursework, or permission of instructor.*

456 Cognitive Processes. (3) A survey of topical areas related to complex thought processes including cognitive neuroscience, attention, knowledge, memory, problem solving, and language. *Prerequisites: BOT 200 or COMM 311 or LEJA 303 or PSY 323 or SOC 324 or SW 312 or ZOOL 200 and 9 s.h. of Psychology coursework, or permission of instructor.*

460 Individual Research in Psychology. (1–4, repeatable to 4) The student designs, carries out, and writes up a research project. Ordinarily, students enroll for two consecutive semesters of two hours credit each semester. *This offering is strongly recommended for students planning to do graduate work in Psychology. Prerequisites: open to majors in Psychology having a GPA of at least 3.00 in Psychology and a written contract with the student's research supervisor.*

463 Individual Reading in Psychology. (1–2, repeatable to 3) The student reads extensively on some topic in Psychology, chosen in consultation with a Psychology instructor, and prepares a written report on the topic. Ordinarily, a student will register for 1 s.h. of credit. *Prerequisites: junior standing and a written contract with the student's reading supervisor.*

486 Crisis Hotline Internship in Psychology. (3) Practicum course designed to provide supervised practical experiences in a crisis intervention Hotline. Students receive training in clinical skills and deliver paraprofessional crisis hotline services. *Prerequisites: cumulative GPA of at least 2.75 or instructor permission, and consent of the crisis hotline internship instructor.*

487 Community Internship in Psychology. (3) Practicum course designed to provide supervised practical experiences in applied settings. Students actively participate in the service delivery systems of approved agencies and organizations. *Prerequisites: cumulative GPA of at least 2.75 or instructor permission, and consent of the community internship instructor.*

488 *(Cross-listed with FS 488)* Fire-Related Human Behavior. (3) Considers fire related behavior in general including fire detection, suppression action, and evacuation behavior. Also considers fire-setting behavior, fire-prevention education, and eyewitness processes. *Not open to students with credit in FS 488. Prerequisite: FS 210 or permission of Instructor, School Director, or Program Director.*

490 Seminar. (1–3, repeatable to 12) Psychology faculty may present a seminar on some topic of interest. Seminar descriptions are posted outside of the program office prior to registration periods. *Prerequisite: written permission of the instructor.*

491 Honors Thesis in Psychology. (1–4, repeatable to 4) The preparation by an Honors in the Major candidate of an undergraduate Psychology thesis under the direction of one or more Psychology faculty members. Ordinarily, students enroll for two consecutive semesters, taking 3 s.h. in the first and 1 s.h. in the second. *Prerequisite: Honors in the Major candidate in Psychology with junior or senior standing.*

492 Capstone Experience. (1) Students will write a substantive paper that integrates empirical and/or theoretical material from at least two subdisciplines of Psychology. *Prerequisites: senior standing; PSY 323; permission of instructor. Graded S/U only.*

499 Senior Comprehensive Exam. (0) An exam which all Psychology majors must take during their senior year. Taking the exam will result in a grade of S. *Prerequisite: senior standing.*

QUEER STUDIES (QS)

100 Introduction to Queer Studies. (3) (Multicultural) Introduction to Queer Studies introduces the study of sexual diversity, with specific attention to lesbian, gay, bisexual, and transgender topics in a variety of media. It provides terminology and analytic tools and explores important topics and controversies in sexuality studies.

400 Capstone in Queer Studies. (4) This course focuses on writing and research in the area of queer studies. Students will complete an in-depth project (research, video, internet-based resource, artistic work) that creatively and critically addresses issues relevant to queer studies. *Prerequisites: QS 100 and two electives in the Minor in Queer Studies.*

RECREATION, SPORT, AND TOURISM ADMINISTRATION (RSTA)

110 *(Formerly RPTA 110)* Concepts of Leisure. (3) (General Education/Social Sciences) Explores the place of leisure in society. Examines what people do for recreation and leisure in a changing culture. Assists students from all majors to develop a personal leisure life-style that promotes wellness.
IAI: S9 900.

111 *(Formerly RPTA 111)* Introduction to Leisure and Hospitality Services. (3) Examines the purpose and function of leisure and hospitality services delivered by governmental, non-profit, and private agencies.

112 *(Formerly RPTA 112)* Recreation for Life. (2) Examines the contribution of organized recreation to the development and maintenance of individual well-being. This class will assist students' personal exploration of how recreation can enhance body, mind, and spirit. Classroom concepts will be practiced during laboratory hours.

199 *(Formerly RPTA 199)* Fieldwork in Leisure Services. (1, repeatable to 2) A minimum of 50 clock hours of professional experience in daily operation, supervision, financial management, and/or evaluation at an instructor-approved leisure, nonprofit, therapeutic, or youth service agency (based on students' career goals, option, and/or chosen minor). *Graded S/U only.*

202 *(Formerly RPTA 202) (Cross-listed with AGE/ANTH/PSY/SOC 202)* The Aging Person in the Social Context. (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/PSY/SOC 202.*

230 *(Formerly RPTA 230)* Leadership in Leisure Services. (3) A study of the theory, principles, and processes of leadership in delivery of leisure services. Laboratory involved.

235 *(Formerly RPTA 235)* Programming Principles & Applications in Leisure Services. (3) Explores the purpose and functions of programs, planning principles, objectives, organizational behavior, and evaluation. Translation of a program plan into practical situations. *Writing Instruction in the Disciplines (WID) course. Field observations required. A one-time charge for online instruction materials applies to this course.*

249 *(Formerly RPTA 249)* Principles of Outdoor Recreation. (3) Investigates the components of an outdoor experience including environmental behavior, personal growth, technical abilities, and safety. *Laboratory charge for course and field trip required.*

251 *(Formerly RPTA 251)* Foundations of Therapeutic Recreation. (3) Provides an introduction to the field of therapeutic recreation, theories and models, orientation to types of disability, interventions, and settings of service. *Field experience required.*

293 *(Formerly RPTA 293)* Inclusive Recreation for Individuals with Disabilities. (3) (Multicultural) Exploration of opportunities for, limitations of, and motivations for participation in recreational activities across the lifespan for individuals with varying levels of disabilities. Students will gain practical experience planning and implementing inclusive recreation for individuals with disabilities. *Lab experience required.*

300 *(Formerly RPTA 300)* Lodging Industries. (3) Examines the principles, practices, and philosophy of the lodging industries including sectors, legal considerations, professional associations, and industry standards. *Prerequisite: junior status or consent of instructor.*

322 *(Formerly RPTA 322)* Administration of Leisure Services. (3) Provides basis for understanding administrative processes related to delivery of leisure services. Explores legal/legislative issues, organizational structure, planning, and human resource management. *Writing Instruction in the Disciplines (WID) course. Prerequisites: RSTA 230 and 235; junior status or consent of instructor.*

340 *(Formerly RPTA 340)* Camp Leadership. (3) Examines and applies concepts and procedures for designing and organizing a camp program. Laboratory included. *Laboratory charge for course. Prerequisite: junior status or consent of instructor.*

349 *(Formerly RPTA 349)* Expedition Planning. (3) Provides students the opportunity to examine the components of an outdoor expedition. An expedition is then planned. *Prerequisite: RSTA 249 or consent of instructor.*

351 *(Formerly RPTA 351)* Therapeutic Recreation Assessment and Evaluation. (3) Examines assessment instruments, techniques, and testing protocols used in the practice of Therapeutic Recreation. *Field experience required. Prerequisite: RSTA 251 and junior status, or consent of instructor. Laboratory charge for course and field trip required.*

362 *(Formerly RPTA 362)* Tourism. (3) Examines the principles, practices, and philosophy of the travel industry. *No course prerequisite for nonmajors. Prerequisite: junior status or consent of instructor.*

364 *(Formerly RPTA 364)* Principles of Sport Management. (3) The focus of this course is to provide an overview of sport management. The class will examine various areas, including professional and collegiate sports, sponsorship, sport organizations, community and youth sports, and sport consumer behavior. *Prerequisite: junior status or consent of instructor.*

366 *(Formerly RPTA 366)* Commercial Recreation. (3) Examines the diversity of commercial recreation enterprises; also general trends and personal attributes associated with a career in commercial recreation. *No course prerequisite for nonmajors. Prerequisite: junior status or consent of instructor.*

367 *(Formerly RPTA 367)* Event Industries. (3) Examines the principles, practices, and philosophy of the meeting, incentives, conferences, and events industries including formats, legal considerations, professional associations, and industry standards. *Prerequisite: junior status or consent of instructor.*

370 *(Formerly RPTA 370)* Administration of Nonprofit Organizations. (3) The course will introduce the history, mission, programs, and staffing of nonprofit organizations in the U.S. and focus on the role they have in meeting the needs

of youth and adults, including those of under-represented groups, in society. *Prerequisite: junior status or consent of instructor.*

376 *(Formerly RPTA 376)* Perspectives in Outdoor Recreation. (3) Examines outdoor recreation movement in America and its impact on natural resources; reviews relationships between changing public demand and the many agencies involved in supplying outdoor recreation. Includes technical writing instruction. *Prerequisite: junior status or consent of instructor.*

398 *(Formerly RPTA 398)* Internship Seminar. (1) Assists students to determine personal goals and objectives, conduct survey and apply to various agencies before making final selection for location of internship. *Prerequisites: RSTA majors of junior status; RSTA minors by petition.*

399 *(Formerly RPTA 399)* Professional Issues and Practices in Leisure Services. (3) Review and discussion of the intersections between foundations of the leisure disciplines (history, philosophy, and social and behavioral science underpinnings) and emerging leisure industry issues as students determine professional practices, goals, objectives, and apply to and are hired for internships. *Not open to students who successfully completed RSTA 398 prior to FL 23. Prerequisites: RSTA major and junior status.*

422 *(Formerly RPTA 422)* Advanced Administration of Leisure Services. (3) Investigates advanced concepts and processes related to the administration of leisure services, including marketing applications and the management of human and fiscal resources. *Prerequisites: RSTA 322 and junior status, or consent of instructor.*

424 *(Formerly RPTA 424)* Fund Raising and Volunteerism in Leisure Services. (3) A study of the principles and practices associated with fundraising and utilization of volunteers in public as well as private nonprofit leisure service organizations. *Prerequisite: junior status or consent of the instructor.*

428 *(Formerly RPTA 428)* Youth and Leisure Services. (3) A study of the theories, principles, and practices related to youth and leisure including social trends and issues, youth development, youth services agencies, program planning and evaluation, behavior management, leadership, and public relations. Fieldwork observations required. *Prerequisites: junior status or consent of the instructor.*

430 *(Formerly RPTA 430)* Contemporary Sport Management. (3) This course provides an overview of practical strategies and concepts applicable to the administration of professional sports settings. The course addresses various topics associated with the sport industry, including marketing, budgeting, and risk management practices specific to the sports industry. *Prerequisite: junior status or consent of the instructor.*

444 *(Formerly RPTA 444)* Outdoor Education. (3) Prepares students to lead outdoor education activities commonly used in outdoor recreation and natural resource settings. *Prerequisite: junior status or consent of instructor. Laboratory charge for course and field trip required.*

446 *(Formerly RPTA 446)* Wilderness Leadership. (3) Prepares students to become qualified wilderness trip leaders. Expedition behavior, emergency procedures, and wilderness leadership responsibilities will be examined during a 14–21 day expedition. *Prerequisite: consent of instructor. Laboratory charge for course and field trip required.*

448 *(Formerly RPTA 448)* Interpretation of Cultural and Environmental Resources. (3) Develops basic understanding of interpretation of natural, environmental, and cultural resources. Includes philosophy and techniques. *Prerequisite: junior status or consent of instructor. Laboratory charge for course and field trip required.*

449 *(Formerly RPTA 449)* Management of Outdoor Recreation. (3) Provides advanced understanding of concepts and processes related to the administration of outdoor recreation and natural resource management including marketing, risk management, and fiscal management. *Prerequisite: RSTA 322 or consent of instructor. Laboratory charge for course and field trip required.*

450 *(Formerly RPTA 450)* Travel Workshop. (1–3, repeatable to 6) Opportunity for students to observe the operations of a variety of leisure service agencies and to discuss on-location the trends, problems, and techniques in leisure service delivery. *Prerequisite: consent of instructor. Laboratory charge for course and field trip required.*

451 *(Formerly RPTA 451)* Principles of Therapeutic Recreation. (3) Examines and applies therapeutic recreation processes and fundamental principles of program planning for people with disabilities in clinical, residential, and community-based settings to provide a conceptual basis for professional practice. *Field experience required. Prerequisites: RSTA 251 and junior status, or consent of instructor.*

452 *(Formerly RPTA 452)* Leisure Services for Older Adults. (3) Examines theories and concepts related to leisure and aging; includes field experiences with older adults. *Prerequisite: junior status or consent of instructor.*

453 *(Formerly RPTA 453)* Clinical Therapeutic Recreation Processes. (3) Examines interventions, modalities, and relevant terminology used in therapeutic recreation treatment for persons with disabilities in clinical, residential, and community-based settings. *Field trip required. Prerequisites: RSTA 251 and junior status, or consent of instructor.*

454 *(Formerly RPTA 454)* Management of Therapeutic Recreation. (3) Understanding and professional practice of Therapeutic Recreation services in health and human-service settings with focus on quality management, finance and reimbursement, budgeting, clinical supervision, risk management, professional ethics, issues, and certification. *Field trip required. Prerequisites: junior status and RSTA 251, 351, and 451; or consent of instructor.*

455 *(Formerly RPTA 455)* Casino Operations. (3) Description of basic casino operations and principles of casino marketing, mathematics of casino games, and utility analysis of gaming motivation and gaming addictions. Exploration of career opportunities in the gaming industry. Historical background and impact of gaming on hospitality industry. *Not open to students with credit in HM 455. Prerequisites: junior status, 21 years of age. Activities outside of class and field trips are required.*

460 *(Formerly RPTA 460)* Sustainable Tourism Development. (3) Provides essentials for successful development of a local tourism economy including organizing, planning, developing, and operation. *Prerequisites: junior status or permission of instructor.*

461 *(Formerly RPTA 461)* Conference and Convention Planning and Management. (3) Prepares students for positions as planners and managers of conferences and conventions at resorts, hotels, cruise ships, camps, universities, or other private or municipal convention centers. *Prerequisite: junior status or consent of instructor.*

462 *(Formerly RPTA 462)* International Tourism. (3) (Multicultural) Analysis of contemporary leisure travel behavior emphasizing world tourism markets, products, attractions, sales, and industry trends. *Prerequisite: junior status or consent of instructor.*

464 *(Formerly RPTA 464)* Issues and Trends in Therapeutic Recreation. (3) Capstone course for the Therapeutic Recreation minor. Examines current issues and trends in the field and advancement of the Therapeutic Recreation profession. *Prerequisite: RSTA 251, 351, 451, 453, and 454.*

466 *(Formerly RPTA 466)* Resort and Country Club Management. (3) Principles and practices to plan, develop, manage, and operate leisure-based facilities and services in resorts and country clubs. *Prerequisites: RSTA 362 and junior status, or consent of instructor.*

467 *(Formerly RPTA 467)* Event Planning and Management. (3) The application of methods and techniques to plan, implement, and evaluate successful community events. Content includes selection of event theme and coordination of set up, staff, finance, promotion, partnerships, and operations and evaluation. *Prerequisite: RSTA 235 or 367.*

476 *(Formerly RPTA 476)* Special Topics. (3, repeatable to 9 for different topics) This course explores a topic of current interest in recreation, park, and tourism administration. *Prerequisites: RSTA 111 or permission of instructor.*

478 *(Formerly RPTA 478)* Great Smoky Mountains Outdoor Recreation Consortium. (3) Involves students from several major universities in developing understanding, knowledge, and appreciation of and for agencies and resources in an on-site experience such as at Great Smoky Mountains Institute at Tremont. *Prerequisites: junior status or consent of instructor. Trip charge for course.*

481 *(Formerly RPTA 481)* Human Dimensions of Resource Management. (3) Considers theory and practice for human dimensions oriented use of land, water, and wildlife resources for recreation experiences. Examines social and physical carrying capacity of land and cultural treatment of ecological systems. *Prerequisite: junior status or consent of instructor.*

482 *(Formerly RPTA 482)* Facility Management. (3) Explores problems, principles, and techniques of acquisition, management, design, and operation of facilities (e.g., parks, community centers, event venues) commonly used in leisure industries. Consideration given to factors affecting energy conservation and reducing operational costs. *Prerequisite: junior status or consent of instructor. Field trip charge for course.*

485 *(Formerly RPTA 485) (Cross-listed with ZOOL 485)* Resource Management for Fly Fisheries. (3) Students will learn trout stream ecology and management, and gain fly-fishing experience. Course includes a one-week trip to a stream for students to meet with resource professionals and to practice their skills. *Not open to students with credit in ZOOL 485. Prerequisite: One of the following: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), RSTA 110, RSTA 111, or permission of instructor. Charge for on-site trip and equipment required.*

487 *(Formerly RPTA 487)* Site Planning in Recreation and Parks. (3) Introduction to basic planning principles and techniques as they apply to park and recreation projects. Special consideration given to the use of GIS and GPS technology and field techniques. Emphasis on problem solving in the planning process. *Prerequisite: junior status or consent of instructor.*

488 *(Formerly RPTA 488)* Open Space Management. (3) Investigates theory, principles, and methods of planning recreation land systems. Explores procedures to preserve, acquire, and develop recreation lands and green space throughout a district or urban area. *Prerequisite: junior status or consent of instructor.*

490 *(Formerly RPTA 490)* Independent Study. (1–3, repeatable to 8) Research projects or independent study not covered in other courses. Credit assigned according to the nature and scope of project. *Prerequisites: junior status or consent of Instructor; written description of proposal including justification, objectives, and procedures must be submitted to School Director or Program Coordinator prior to enrollment; permission of School Director or Program Coordinator required.*

497 *(Formerly RPTA 497)* Research and Evaluation in Leisure Services. (3) Examines and applies concepts and procedures for design and implementation of evaluative research in leisure industries. *Prerequisites: RSTA 235 or consent of instructor.*

499 *(Formerly RPTA 499)* Internship in Leisure Services. (12) Field experience provides for practical application of knowledge and theory in a professional setting. Student acquires experience in all phases of leisure service delivery with highly qualified personnel in a selected agency with University faculty supervision. *Cannot apply to minor except by petition. Prerequisites: junior status, all Core courses completed with an average of at least C (2.00) with no course below C- (1.67), and approval of RSTA committee.*

RELIGIOUS STUDIES (REL)

100 World Religions. (3) (General Education/ Humanities) An introduction to the field of religious studies and to the religions of the world, including Judaism, Christianity, Islam, Hinduism, and Buddhism, as well as other religions originating in Asia and indigenous religions of North America and Africa.
IAI: H5 904N.

101 Religion and Popular Culture. (3) (General Education/Humanities) An examination of religious and spiritual themes as they manifest in popular culture, including film, literature, Internet, television, arts, music, news media, etc.
IAI: H5 900.

107 The Bible. (3) (General Education/ Humanities) An examination of the Hebrew Bible (Old Testament) and New Testament scriptures which shaped the intellectual and cultural history of Western civilization with emphasis on cultural, social, and historical factors leading to the birth of Judaism and Christianity.
IAI: H5 901.

110 Introduction to Eastern Religions. (3) (Multicultural) A comparative introduction to the religions of Asia—Hinduism and Buddhism—with attention to historical development, scriptures, beliefs, practices, and diverse cultural expressions.

111 Introduction to Western Religions. (3) (Multicultural) (General Education/ Humanities) A comparative introduction to the "religions of Abraham"—Judaism, Christianity, and Islam—with attention to historical development, scriptures, beliefs, practices, and diverse cultural expressions.
IAI: H5 901

180 Religion and Drugs. (3) An examination of religious drug use, in historical and modern context. The use of entheogens (psychoactive substances used for religious purposes) in the major world religions, as well as their use in indigenous cultures and smaller religious traditions, are considered.

225 *(Cross-listed with ANTH 225)* Myth and Ritual. (3) (General Education/Humanities) (Multicultural) An introduction to the anthropological study of myth and ritual systems and their importance in religious development and anthropological thought. The course focuses on a cross-cultural comparison of myth and its relationship to ritual. *Not open to students with credit in ANTH 225.*
IAI: H9 901.

300 Religion, Ethics, and Law. (3) This course discusses the ways in which religions develop and sustain ethical traditions and how adherents of different faiths have worked to create or challenge laws based on those traditions. Topics include issues such as marriage, sexuality, war, and economics. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

301 Religion in America. (3) An examination of the diversity of religion and religions in the United States with attention to the variety of religious traditions and expressions and to the histories and themes that have shaped the distinctive tapestry of American religious life. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

303 *(Cross-listed with WS 303)* Women in Religion. (3) (Multicultural) A cross-cultural, comparative, interdisciplinary investigation of the presence of women in shaping the religious cultures of the world. *Not open to students with credit in WS 303. Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

312 Writing in Religious Studies. (1) Instruction and practice in writing a 20 page research paper within the field of Religious Studies. *Writing Instruction in the Disciplines (WID) course. Prerequisite: ENG 280. Corequisite: one 300- or 400-level Religious Studies course taught by Religious Studies faculty.*

324 *(Cross-listed with ANTH 324)* Religion, Magic, and Shamanism. (3) (Multicultural) Survey of cross-cultural perspectives on beliefs and practices dealing with the supernatural, magic, and religion. The functions and social positions of spiritual leaders from different cultures are explored. *Not open to students with credit in ANTH 324. Prerequisite: ANTH 110 or consent of instructor.*

350 Hinduism. (3) (Multicultural) A study of the Hindu religious tradition covering its historical development, basic beliefs, practices, social structure, and philosophical world view, emphasizing the relation between this religion and society in both India and America. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

355 Buddhism. (3) (Multicultural) A study of the Buddhist religious tradition covering its historical development, basic beliefs, and practices, emphasizing the relation between this religion and society in the East and in America. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

360 Christianity. (3) Examines Christian scriptures, beliefs, and rituals from both historical and contemporary perspectives, with coverage of Christianity in different places around the world. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

365 Islam. (3) (Multicultural) A study of the Islamic religious tradition covering its historical development, basic beliefs, and practices, emphasizing the relation between this religion and society in the Near East and in America. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

370 Judaism. (3) An examination of the religion and history of the Jewish people including the relations of Judaism to Christianity and Islam and the causes of anti-Semitism. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

380 Jesus. (3) A study of Jesus as pictured in the Gospels, history, and culture. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

405 Philosophy of Religion. (3) A critical examination of the philosophical issues arising from religious beliefs, utilizing historical and contemporary writings. Topics may include the existence of God, evil, faith, religious pluralism, and the relation between religious beliefs and ethics. *Not open to students with credit in PHIL 405. Prerequisite: one 100- or 200-level Philosophy course or consent of instructor.*

452 Theology. (3) Introduction to theological thought and a selection of thinkers who have shaped Christian, Jewish, and/or Muslim religious imagination. Such figures might include Paul, Augustine, Aquinas, Maimonides, Luther, Teresa of Avila, Abraham Heschel, Simone Weil, al-Ghazali, or Rabia (among others). *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

454 Contemporary Spiritual Movements. (3) An exploration of contemporary spiritual movements with special emphasis on the relationship between cultural change and the emergence of new religious movements. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

456 Religion and War. (3) (Multicultural) An examination of religious perspectives on the legitimacy of war, the conduct of war, and participation in or support for the military. *Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

460 The Bible and Current Issues. (3) Examines how Christians and Jews interpret the Bible in their reflections and debates about current issues. Possible topics may include (among others) gender norms, same-sex relationships, interreligious understanding, evolution, ecological concerns, apocalyptic thinking, and the nature of scriptural authority. *Prerequisites: one 100- or 200-level Religious Studies course or consent of instructor.*

490 Capstone Project. (3) Selection of research project, preparation of bibliography, description of methodology, writing of senior thesis, oral defense, and participation in career-related seminars. *Prerequisites: senior standing and REL 312.*

492 *(Cross-listed with ENG 492)* Religion, Literature, and Film. (3) (Multicultural) Study of multicultural literary and cinematic texts engaging a wide range of religious traditions. *Not open to students with credit in ENG 492. Prerequisite: ENG 299 with a grade of C or better, or one 100- or 200-level Religious Studies or Philosophy course, or consent of instructor.*

494 *(Cross-listed with AAS 494)* Religion in African American Culture. (3) This course acquaints students with religiosity and spirituality among African Americans and provides understanding of a world view, via concepts of nature, God, and human interaction, that reflects African cultural retentions in the U.S. *Not open to students with credit in AAS 494. Prerequisites: AAS 100 and junior standing, or one 100- or 200-level Religious Studies course, or permission of instructor.*

499 Directed Readings. (1–3, repeatable with no maximum for different topics) Individual study of particular religious traditions, ideas, or problems. *Prerequisites: two courses in Religious Studies and consent of the instructor. By arrangement.*

SCIENCE EDUCATION (SCED)

352 Methods for Teaching Science PreK–2nd Grade. (3) Methods and content for planning, implementing, and assessing science curriculum when teaching children in PreK through second grade. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: ECH 277.*

364 Introductory Science Methods. (3) Introduces the nature of science and elementary science education. Emphasis is placed on contemporary programs, which stress direct experience and activity-based learning. Includes the effective use of technology and assessment to meet the needs of individual students. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: fully accepted into Teacher Education Program (TEP).*

464 Integrating Science Through Inquiry. (3) Demonstrates how teachers can utilize the processes of inquiry to integrate the various science disciplines—physical, life, earth, and environmental—to provide appropriate science learning experience in the elementary and middle level classroom. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SCED 364; fully accepted into Teacher Education Program (TEP).*

465 Middle Level Science Methods. (3) Methods and content for deepening teacher candidate understanding of how the practices of inquiry are applied in the major science disciplines. Provides appropriate learning experiences specific to the middle level classroom. *Prerequisites: SCED 364, BIOL/GEOL 181, or PHYS/GEOG 182; fully accepted into Teacher Education Program (TEP).*

SOCIAL STUDIES EDUCATION (SSED)

354 Methods for Teaching Social Studies PreK–2nd Grade. (3) (Multicultural) Methods for planning, implementing, and assessing social studies PreK–2nd grade curriculum, including conceptual development of global connections dealing with social, environmental, economic, technological, and individual cultural dimensions. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: ECH 277.*

365 Teaching Our Heritage. (3) Develops the conceptual base for teaching the understanding of our heritage including the role of cultural diversity, change over time, place, government, production, and distribution. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: fully accepted into Teacher Education Program (TEP).*

390 Methods of Teaching Middle Level Social Studies. (3) Designed to aid the prospective middle level social studies teacher in developing objectives, identifying appropriate learning standards, selecting and organizing content, and using various instructional and assessment techniques. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: junior standing or permission of School Director or Program Coordinator; fully accepted into Teacher Education Program (TEP).*

439 Methods of Teaching Middle Level and High School Social Studies. (3) Designed to aid the prospective middle and high school social studies teacher in developing objectives, identifying appropriate learning standards, selecting and organizing content, and using various instructional and assessment techniques. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: C- or better in EDS 301.*

449 Innovative Strategies for Teaching Social Studies. (3) Designed to aid the prospective secondary social studies teacher in planning for differentiated instruction; providing for inquiry-based learning; using a variety of strategies that support comprehension of text, critical thinking, and problem solving; and analyzing student learning. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 303, EDS 305, SSED 439, and either ENG 366 or LA 387; grade of C- or better in all prerequisite courses.*

495 Teaching with a Global Perspective. (3) (Multicultural) Develops the conceptual base for teaching the understanding of global connections including those dealing with social, environmental, economic, technological, and individual cultural dimensions. Field component required. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SSED 439 or 365; fully accepted into Teacher Education Program (TEP).*

SOCIAL WORK (SW)

100 Introduction to Social Work. (3) An introduction to professional values, ethics, history, policies, services, and fields of Social Work practice, emphasizing generalist Social Work. Students will participate in a variety of instructor-directed campus and community-based events. *A grade of C or better is required to continue through the curriculum.*

212 Human Behavior and the Social Environment I. (3) An exploration of human development theories in the context of biological, physical, psychological, social, and cultural environments that help shape behavior. The focus is on conception through adolescence. *A grade of C or better is required to continue through the curriculum. Prerequisites: SW 100 (C grade or better); BIOL 100; or consent of instructor.*

213 Human Behavior and the Social Environment II. (3) An exploration of human development theories in the context of biological, physical, psychological, social, and cultural environments that help shape behavior. The focus is on young adulthood through late adulthood. *A grade of C or better is required to continue through the curriculum. Prerequisite: SW 212 (C grade or better); or consent of instructor.*

312 Social Work Research Methodology. (3) The first of a two-course research sequence preparing students to be effective and ethical consumers and producers of research. Application of qualitative and quantitative methods for direct practice and program evaluation. *A grade of C or better is required to continue through the curriculum. Prerequisites: SW 100 (C grade or better) or consent of instructor.*

313 Social Work Research Statistics. (3) The second of a two-course sequence. An introduction to descriptive and inferential statistical analyses for the assessment of practice and program effectiveness. Data analysis is conducted with statistical software. *A grade of C or better is required to continue through the curriculum. Prerequisite: SW 312 (C grade or better); completion of math competency or consent of instructor.*

315 Generalist Social Work Practice I. (4) Provides knowledge, values, and skills needed in the generalist method of Social Work, focusing on working with individuals. A concurrent lab provides skill development. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 212 (C grade or better); permission of advisor. Corequisite: SW 316.*

316 Case Management in Social Work. (3) An introduction to case management as a Social Work function. Theories and models of case management will be studied and case management skills will be developed. *Writing Instruction in the Disciplines (WID) course. Prerequisites: Social Work major; SW 212 (C grade or better); ENG 180 and 280; and permission of advisor. Corequisite: SW 315.*

325 Social Welfare Policy. (3) Study of the formulation and implementation of social welfare policy and its impact on all system levels. Policies are analyzed for their philosophical foundations, populations served, and social and political implications. Policy models, implementation strategies, and budgetary constraints are examined. *A grade of C or better is required to continue through the curriculum. Prerequisite: SW 100 (C grade or better); or consent of instructor.*

330 Child and Family Services. (3) An introduction to theories, policies, and practices in child welfare. Current trends in protective services, family preservation, adoption, and substitute care will be studied. *Prerequisite: junior standing or consent of instructor.*

331 Social Work and Addictions. (3) An introduction to addictions and their effects on individuals, families, and society. Current theories, treatments, and Social Work roles and functions will be studied. *Prerequisite: junior standing or consent of instructor.*

332 Social Work with Aging Persons. (3) An introduction to working with persons as they age and as their circumstances change. Social Work roles and personal, familial, and societal implications of aging will be studied. *Prerequisite: junior standing or consent of instructor.*

335 Domestic Violence and Social Work Intervention. (3) An introduction to major topics in the area of domestic violence. Definitions, warning signs, use of appropriate Social Work services, and prevention will be studied. *Prerequisite: junior standing or consent of instructor.*

336 Medical Social Work. (3) An introduction to a generalist Social Work perspective of medical Social Work. Theoretical perspectives integrated within medical Social Work will be discussed within a practice-oriented learning environment. Specific skills required in medical Social Work will be emphasized and practiced. *Prerequisite: junior standing or consent of instructor.*

338 Social Work and Mental Health. (3) Introduction to mental health; impact of mental illness on individuals, families, and society; roles and functions of social workers in mental health services. Introduction to the DSM V will be provided. Focus will be on generalist Social Work. *Prerequisite: junior standing or consent of instructor.*

340 Topics in Social Work. (3, repeatable to 6 for different topics) Varied topics of interest to Social Work and other human service majors. Topics might include diversity, advocacy, spirituality, political activity, criminal justice issues, professional ethics, and interdisciplinary teamwork. *Prerequisite: junior standing or consent of instructor.*

341 Social Work in Child Welfare I. (3) An introduction to child welfare policies and practices in the State of Illinois and the United States. Issues of child maltreatment and related social issues will be studied. *Prerequisite: SW 100 with a grade of C or above and junior standing, or consent of instructor.*

342 Social Work in Child Welfare II. (3) Study of current child welfare topics and the role of the social work profession in serving children and families involved in the child welfare system. *Prerequisite: SW 341 with a grade of C or above.*

345 Investigation in Social Work. (1–6, repeatable to 6) Investigation into a specific area of Social Work that requires more intense study of longer duration. *Prerequisite: junior standing or consent of instructor.*

380 Social Justice and Diversity. (3) (Multicultural) Explores how societies and their cultures' structures and values may oppress, discriminate, or create or enhance power. Develops skills to engage in socially just professional practice with diverse populations. *Prerequisites: Social Work major and SW 100 (C grade or better); or consent of instructor.*

415 Generalist Social Work Practice II. (3) Covers the theory and skills of the generalist method of Social Work. Its focus is on families and small groups. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); SW 316 (C grade or better).*

425 Generalist Social Work Practice III. (3) Covers the theory and skills of the generalist method of Social Work with a focus on organizations, communities, society, and international issues. Fifteen hours of community service required. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); SW 316 (C grade or better).*

440 Pre-Practicum. (1) Prepares majors for the practicum. Content includes resume preparation; investigation of agency placement opportunities; interviews for placement; overview of ethical, safety, and liability issues; and the role of participants as adult learners. *A grade of C or better is required to continue through the curriculum. Prerequisites: Social Work major; SW 315 (C grade or better); permission of the Director of Field Education or School Director.*

480 Generalist Social Work Practicum. (13) An educational experience in an agency setting that offers practical application of Social Work knowledge, values, and skills. A concurrent integrative seminar provides opportunities for discussion and direction from the instructor. *A grade of C or better is required to graduate. Prerequisites: Social Work major; SW 415 (C grade or better); SW 425 (C grade or better); SW 440 (C grade or better); 2.50 GPA in the major; completion of all other required Social Work courses (C grade or better); being within 20 s.h. of completion of degree; permission of the Director of Field Education or School Director.*

496 Senior Honors Thesis in Social Work. (3–6, repeatable to 6) Thesis research under the direction of at least two Social Work faculty members on a topic of mutual agreement. *Minimum of 3 s.h. required for honors. Prerequisite: approval of Honors in the Major coordinator.*

499 Senior Assessment Exam. (0) An exam that all social work majors must take at the completion of SW 480. This exam assesses the knowledge gained through completing the social work curriculum. Completion of the exam will result in a grade of S. *Prerequisites: Social Work major; senior standing. Corequisite: SW 480. Graded S/U only.*

SOCIOLOGY (SOC)

100 Introduction to Sociology. (3) (General Education/Social Sciences) Basic sociological concepts and studies in such areas as culture, social organization, personality, family, and community.
IAI: S7 900.

200 Contemporary Social Problems. (3) (General Education/Social Sciences) An investigation of problems pertaining to group conflict, race relations, crime, family disorganization, and other significant aspects of contemporary society.
IAI: S7 901.

202 *(Cross-listed with AGE/ANTH/PSY/RSTA 202)* The Aging Person in the Social Context. (3) An introduction to Gerontology, including a comprehensive and critical review of demographic, physiological, activity, and psychosocial dimensions of aging-related issues and processes. *Not open to students with credit in AGE/ANTH/PSY/RSTA 202.*

250 American Institutions. (3) An overview of the more enduring clusters of roles and values by which family, economic, religious, educational, and political processes are conducted. *Prerequisite: SOC 100 or consent of instructor.*

255 Deviant Behavior. (3) An analysis of research findings and theories relating to a variety of forms of "deviant behavior." *Prerequisite: SOC 100 or consent of instructor.*

272 Individual and Society. (3) This course explores sociological theories and research on the relationship between the individual and society. Students will learn how individuals participate in the construction of society and how social structure impacts our everyday lives. *Prerequisite: SOC 100 or consent of instructor.*

285 *(Cross-listed with WS 285)* Women: A Global Perspective. (3) (Multicultural) This course emphasizes the voices of women across the globe from an interdisciplinary perspective. Special attention will be paid to women's activism, the transnational feminist movement, and an examination of the category "woman" in the global context. *Not open to students with credit in WS 285. Prerequisite: SOC 100 or WS 190.*

300 Minority Peoples. (3) (Multicultural) Group relations of ethnic, racial, religious, and sexual minorities. Conflict, separation, assimilation, and related processes. *BGS online writing course. Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*
IAI: S7 903D.

312 Community. (3) Systems of interrelated organizations, institutions, and persons clustered in the same locations. *Prerequisite: SOC 100 or consent of instructor.*

313 Self and Identity. (3) The relationships between culture, social structure, socialization, and self and identity are investigated applying perspectives in sociological social psychology. *Prerequisite: SOC 100 or consent of instructor.*

316 Collective Behavior and Social Movements. (3) Analysis of group formations, collective activity, and collective action processes including crowds, mass behavior, flash mobs (and other spontaneous events), fads, and social and political movements. *Prerequisite: SOC 100 or consent of instructor.*

323 Social Research Methods I. (3) Hypothesis construction and testing with emphasis on research design, data gathering techniques, and scale construction. The course includes the construction of a research proposal. *Writing Instruction in the Disciplines (WID) course. Prerequisites: SOC 100 or consent of instructor; ENG 280.*

324 Social Research Methods II. (3) Introduction to the application of the scientific method and statistics in sociological research. Emphasis on sampling, measures of central tendency, dispersion, association, and introduction to inferential statistics. Students will gain proficiency with data-analytical software (e.g., SPSS, STAT, or SAS). *Prerequisites: SOC 100 and 323, or consent of instructor; completion of the University General Education Curriculum baccalaureate-level skills in Mathematics requirement.*

333 Classical Sociological Theory. (3) A critical examination and analysis of major classical theories in Sociology and their influences upon the development of contemporary social thought. *Prerequisite: SOC 100 or consent of instructor.*

334 Contemporary Sociological Theory. (3) Detailed examination, analysis, and evaluation of selected modern sociological theories. Emphasis on critical analysis and interpretation of schools such as structural functionalism, conflict, neo-Marxian, symbolic interactionist, exchange, network, rational choice, critical race, feminist, and integrative theories. *Prerequisites: SOC 100 and 333.*

345 Rural Social Organizations. (3) An examination of rural society from feudalism to agri-business. Emphasis on changes wrought by demographic, bureaucratic, and technological factors and their consequences for contemporary farming. *Prerequisite: SOC 100 or consent of instructor.*

355 Criminology. (3) Theories of crime causation and control are discussed in relation to specific behavior systems in crime. In additions, various problem areas in criminology are discussed. *Prerequisite: SOC 100 or consent of instructor.*

360 *(Cross-listed with WS 360)* Gender and Society. (3) (Multicultural) This course provides a sociological examination of theories of gender, socio-historical gender patterns, gender and American social institutions, social structure and gender, and cross-cultural comparisons. *BGS online writing course. Not open to students with credit in WS 360. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

365 Sociology of Health and Illness. (3) Examines the medical institution using sociological theories. Focus on illumination of the social context of health and the medical system using sociological research methods. Topics include the social construction of illness, the provider-client relationship, and medicalization in Western cultures. *Prerequisites: SOC 100 and another Sociology course, or consent of instructor.*

370 American Family. (3) A survey of major American marriage and family trends with an emphasis upon changes in mate selection, marital roles, marital adjustment, family life, and other related issues. *Prerequisite: SOC 100 or consent of instructor.*

405 Sociology of Aging in Rural and Urban America. (3) An investigation of the social and political consequences for communities and society at large from the expanding populations of the aged and a sociological examination of the relationships between community and institutional arrangements and the social and social-psychological dimensions of aging. *Prerequisite: SOC 100 or consent of instructor.*

410 *(Cross-listed with WS 410)* Women and Poverty. (3) The poverty of women in the United States including factors of race, place of residence, and age are covered. Structural hierarchies that maintain poverty are examined from a sociological perspective. *Not open to students with credit in WS 410. Prerequisite: WS 190 or SOC 100 or permission of instructor.*

414 Population. (3) The distribution, growth, and characteristics of human population and their relationship to social organization. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

415 Social Stratification. (3) Distribution of wealth, power, and prestige and related structures and values. *Prerequisite: SOC 100 and one additional Sociology course, or consent of instructor.*

420 *(Cross-listed with AAS 420 and WS 420)* Race, Class, and Gender. (3) The course will examine issues of race, class, and gender in historical, cultural, and contemporary societal contexts. *Not open to students with credit in AAS 420 or WS 420. Prerequisite: SOC 100, or AAS 100, or WS 190; or permission of instructor.*

424 Sociology of Mental Health. (3) A survey of the history, causes, treatment, and effects of mental illness in the U.S. with emphasis on sociological factors such as social class, race, definitional process, etc. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

425 Juvenile Delinquency. (3) A survey of various theories of juvenile delinquency and an examination of the juvenile justice system and its relationship to rehabilitation prospects. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

427 Sociology of Sexual Orientation. (3) Overview of how sociologists approach the study of sexual orientation and of recent sociological research related to sexual orientation, with an emphasis on heterosexism and collective responses to heterosexism. *Prerequisite: SOC 100 or consent of instructor.*

430 *(Cross-listed with WS 430)* Sociology of Women's Health. (3) Uses sociological theories and research to examine the gendered experience of illness. Includes sociological analysis of medical knowledge about women's health. Topics include medicalization of women's health, the gendered hierarchy of professions, and feminist critiques of scientific research. *Not open to students with credit in WS 430. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

433 Individual Investigations in Sociology. (3) Students identify a topic of sociological interest and work under the direct supervision of faculty member to complete the proposed project (case study paper, policy paper, literature review, research project, etc.). *Prerequisites: 12 s.h. of Sociology coursework and consent of School Director or Program Director.*

435 *(Cross-listed with WS 435)* Women and Crime. (3) Theories of female criminality, patterns of female crime and victimization, women in corrections, and women as criminal justice practitioners are examined. *Not open to students with credit in WS 435. Prerequisite: SOC 100 or consent of instructor.*

440 Global Sociology. (3) (Multicultural) This course examines socio-cultural, economic, political, and technological processes of globalization using sociological concepts and theories to provide students with a systematic way of studying our interconnected world. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

445 Sociology of Corporate Crime. (3) A sociological analysis of theories and research concerning the nature, extent, costs, and control of crimes committed by corporations. *Prerequisite: SOC 100 or consent of instructor.*

455 Sociology of Corrections. (3) An analysis of correctional institutions, including the inmate structure, custodial and administrative personnel, treatment programs, and the social factors which affect prison structure and function. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

460 The Family. (3) Institutions and systems of kinship, marriage, family grouping, child rearing, personal maintenance, and status placement. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

461 Educational Sociology. (3) A comparative and functional analysis of education as an institution; the interaction of education and other institutions; and the relation of education to social change. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

462 Political Sociology. (3) An analysis of power structures, decision making systems, conflict, conflict resolution, and various theories of power. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

463 Sociology of Law. (3) An analysis of the social origins of law, the effects of law on human behavior and social institutions, and the relationship between law and social change. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

465 Deviance, Crime, and Control in Socio-Historical Perspective. (3) Historical conceptions of deviance, origins of prisons, asylums; emergence of police; rates and types of deviance and varieties of social control in particular historical periods. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

470 Sociology of Popular Culture. (3) This course exposes students to the sociological study of popular culture. Material products and production methods, ideology and symbolic meanings are investigated in relation to social behavior using relevant theories and methodological tools of analysis. *Prerequisite: SOC 100 or consent of instructor.*

471 Urban Sociology. (3) History of urban growth, location, ecology, planning, and land use of cities; social organization and institutions in urban societies compared with rural and other models. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

487 Application of Fire Research. (3) Involves the understanding of fire research and its application. Data from available research on fire prevention and protection programs are studied. *Prerequisite: permission of Instructor, School Director, or Program Director; or enrollment as Fire Protection Services major; or Fire Administration or Fire Science minor.*

488 Community and the Fire Threat. (3) Sociological and economic characteristics of communities and their influence on the fire problem. Housing, structure abandonment, rent control, crime, false alarm, and incendiary fire rates are studied. *Prerequisite: permission of Instructor, School Director, or Program Director; or enrollment as Fire Protection Services major; or Fire Administration or Fire Science minor.*

490 Readings in Sociology. (1–3, repeatable to 3) Supervised individual readings on sociological topics. *Prerequisites: 12 s.h. of Sociology coursework, 2.70 GPA, and permission of School Director or Program Director.*

494 *(Cross-listed with ANTH 494)* Internship. (3) Supervised applied experience in occupationally related area. Seminars and written reports required. *Not open to students with credit in ANTH 494. Prerequisites: junior or senior status, and approval of School Director or Program Director.*

497 Senior Honors Thesis in Sociology. (3–6, repeatable to 6) Thesis research under the direction of a Sociology faculty member on a topic of mutual agreement; 6 s.h. required for honors. *Prerequisite: approval of Honors in the Major coordinator.*

499 Seminar in Sociology. (3, repeatable for different topics) Topics to be announced. *Prerequisites: SOC 100 and one additional Sociology course, or consent of instructor.*

SPANISH (SPAN)

(Language Skills Courses)

121 Elementary Spanish I. (4) Development of the four basic skills: listening, speaking, reading, and writing. *Not open to students who have had two years of high school Spanish without permission of the Program Director.*

122 Elementary Spanish II. (4) Continuation of Elementary Spanish I. Development of listening, speaking, reading, and writing skills along with cross-cultural insights and appreciation. *Prerequisite: SPAN 121 or appropriate score on placement examination administered by the Program Director.*

223 Intermediate Spanish I. (3) Continued development of the four basic language skills with increased emphasis on reading and culture. Class conducted in Spanish. *Prerequisite: SPAN 122 or appropriate score on placement examination administered by the Program Director.*

224 Intermediate Spanish II. (3) (General Education/Humanities) Continuation of Intermediate Spanish I. *Prerequisite: SPAN 223 or appropriate score on placement examination administered by the Program Director.*
IAI: H1 900.

302 Spanish for Business. (3) An introduction to business practices in Spain and Latin America, with emphasis on business vocabulary, written and oral communication, and the role of culture and cultural differences in business transactions. *Prerequisite: SPAN 224 or equivalent, or permission of instructor.*

320 Spanish for Heritage Speakers. (3) (Multicultural) Designed for heritage speakers of Latino/Hispanic heritage, to raise awareness of their bilingual/bicultural background as well as their social and linguistic identity of speakers of U.S. Spanish, through intensive practice in writing, reading, and linguistic skills. *Prerequisites: SPAN 224 or consent of the instructor.*

325 Spanish Conversation. (3) Intensive practice in oral expression and conversation. *Prerequisite: SPAN 224 or equivalent.*

326 Spanish Composition. (3) Intensive practice in written expression and composition. *Writing Instruction in the Disciplines (WID) course. Prerequisites: SPAN 224 or equivalent; ENG 280.*

340 Spanish for Law Enforcement. (3) Attention is focused on oral proficiency in the contexts likely to be useful to law enforcement personnel. Vocabulary specific to the profession is taught, as well as practical cultural information. *Prerequisite: SPAN 224 or permission of instructor.*

392 Spanish and Latin American Cinema. (3) Historical survey of the film industry in Spain and Latin America, with particular attention to the works of major filmmakers and genres. *Prerequisite: SPAN 224 or equivalent, or permission of instructor.*

401 Introduction to Spanish Linguistics. (3) Introduction to the main concepts and methods of linguistic analysis, focusing on the Spanish sound system, social dynamics, and dialectal variation. *Prerequisite: SPAN 326 or equivalent.*

402 Introduction to Spanish Morphology and Syntax. (3) Introduction to the systematic study of the morphological and syntactical elements of Spanish with practice in application. *Prerequisite: SPAN 326 or equivalent.*

449 Spanish for Content-Based Instruction. (3) The study of Spanish vocabulary and phrases for the teaching of different subjects of the school curriculum including mathematics, science, social studies, and grammar. *Prerequisite: SPAN 224 or permission of instructor.*

(Literature and Civilization Courses)

327 Introduction to Hispanic Literature. (3) An introduction to critical reading and appreciation of Hispanic literature, surveying representative texts from major periods and genres. Conducted in Spanish. *Prerequisite: SPAN 224 or equivalent.*
IAI: H3 916.

328 Masterpieces of Spanish Literature. (3) A study of selected masterworks representing major periods and genres of Spanish literature. Conducted in Spanish. *Prerequisite: SPAN 224 or equivalent.*
IAI: H3 917.

361 Field Study Travel. (1–3, repeatable to 9 in one language) Field study project. The student submits a written report and fulfills other requirements set up by the instructor. *Prerequisite: 6 s.h. of intermediate college Spanish or equivalent.*

408 Spanish Civilization and Culture. (3) A survey of Peninsular civilization from the prehistoric past to the post-Franco present, emphasizing cultural achievements of universal significance. Conducted in Spanish.

409 Spanish American Civilization. (3) The study of fundamental historical and cultural facts concerning Spanish America; the role of contrasting value systems of Spanish America and the United States in intercultural communication. Conducted in Spanish.

452 Spanish Literature of the 19th Century. (3) Study of major works with emphasis on Romanticism and Realism. *Prerequisite: SPAN 327 or equivalent.*

453 The Generation of 1898. (3) Representative works of the major figures of early twentieth-century Spanish literature. *Prerequisite: SPAN 327 or equivalent.*

454 Spanish Literature of the 20th Century. (3) Study of major works of prose, poetry, and drama from the Generation of 1898 to the present. *Prerequisite: SPAN 327 or equivalent.*

492 Individual Studies in Spanish. (1–5, repeatable to 5) *Prerequisites: junior standing and consent of Program Director.*

499 Selected Topics in Spanish Language and Literature. (3, repeatable with no maximum for different topics) *Prerequisite: SPAN 327 and consent of the instructor.*

SPECIAL EDUCATION (SPED)

200 Introduction to Special Education. (3) Historical foundations of Special Education including litigation, legislation, models, theories, and philosophies. Introduction to professional ethics, conduct, and professional growth and reflection. *A minimum grade of C- is required of Teacher Education majors. Corequisite: SPED 280.*

210 The Exceptional Learner. (2) A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. *For non-majors only. A minimum grade of C- is required of Teacher Education majors.*

280 Fieldwork in Special Education. (1, repeatable to 2) Educational experiences acquired in practical service situations. *Repeatable in different settings with permission. Graded S/U only.*

300 Characteristics of the Learner. (3) Development of cognitive, emotional, physical, social, and communication skills of students with disabilities. Practices that support the intellectual, social, and personal growth of all students. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: EDS 110.* ***IAI: ECE 913.***

360 Students with Moderate/Extensive Support Needs. (2–3) Assessment and planning techniques for the unique learning, social, behavioral, health, and transition needs of students with moderate to extensive support needs, including basic skills for physical accommodation and educators' roles and responsibilities in identifying and providing services. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: EDS 110.*

370 Assessment in Special Education. (2–4) Educational assessment processes and strategies to support instructional planning for students with disabilities. *Writing Instruction in the Disciplines (WID) course. A minimum grade of C- is required of Teacher Education majors. Prerequisites: ENG 180 and 280; SPED 280; fully accepted into the Teacher Education Program (TEP).*

390 Characteristics and Methods for Teaching Students with Special Needs. (3) A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. Introduces and provides practice using various teaching strategies related to characteristics for specific disabilities. *Not open to Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: EDS 305 or equivalent, a reading/literacy course, and a methods course in the major; grade of C- or better in all prerequisite courses.*

392 Characteristics and Methods for Teaching Students with Special Needs Ages Birth to Five. (3) A survey of the characteristics of individuals with diverse mental, physical, behavioral, learning, or communication needs. This course emphasizes the identification and education of exceptional learners. Introduces and provides practice using various teaching strategies related to characteristics for specific disabilities. *Not open to Special Education majors. A minimum grade of C- is required of Teacher Education majors. Prerequisites: ECH 354, 355; LA 250; fully accepted into Teacher Education Program (TEP) (Licensure Track).*

400 Methods of Instruction—PreK–12. (3-4) Instructional planning, design, and adaptations to support the learning of students with disabilities. *Writing Instruction in the Disciplines (WID) course. A minimum grade of C- is required of Teacher Education majors. Prerequisites: ENG 180 and 280; SPED 300; fully accepted into Teacher Education Program (TEP).*

405 Moderate to Severe Disabilities. (3) Assessment techniques and planning for the unique learning, social, behavioral, health, and transition needs of students with moderate to severe disabilities will be addressed. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 300.*

407 Law and Special Education. (3) Examines the Federal and State laws, along with case law pertaining to the unique learning, social, behavioral, health, and transition needs of students with disabilities, that direct the delivery of special education, including the facilitation of student IEPs. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 300.*

410 Senior Seminar in Special Education. (0) Provides students with an opportunity for reflection, discussion, and professional reading related to their student teaching experience. *Prerequisites: SPED 420 and 465; fully accepted into the Teacher Education Program (TEP). Corequisite: STCH 430 or 431. Graded S/U only.*

415 Behavior Interventions—PreK–12. (2) Prepares teacher candidates to make data-driven decisions to proactively address and modify student behaviors across school settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisite: SPED 370.*

417 Transition and Collaboration. (2–3) Factors and processes that promote effective communication and collaboration among school professionals, between schools and families, and school and community services are addressed. Transition planning and processing are included. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 370; fully accepted into the Teacher Education program (TEP).*

420 Academic Interventions—Pre-K–12. (2–4) Research-based instructional practices to encourage inquiry, problem-solving, and critical thinking. Best practices in providing access to general curriculum for Pre-K–12 students with disabilities through inclusion, modified instruction, and transition planning for students with disabilities. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: LA 383.*

430 Fieldwork in Special Education: Pre-K–12. (4) Clinical experience in planning, implementation, and assessment of instruction with students with disabilities in elementary and secondary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: LA 384; SPED 400, 460. Materials charge for this course.*

440 Instructional Delivery—Secondary Level. (3) Research-based practices to encourage critical thinking skills and access to the general curriculum for secondary students with disabilities. Transition planning and instruction for students with mild to moderate disabilities. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 420 or permission of School Director or Program Coordinator.*

445 Fieldwork in Special Education: Secondary. (3) Clinical experiences in the planning, implementation, and assessment of instruction with students with disabilities in secondary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 420 or permission of School Director or Program Coordinator.*

460 Fieldwork in Special Education II. (1) Pre-clinical experience in the planning, implementation, and assessment of instruction with students with disabilities in elementary and secondary settings. *A minimum grade of C- is required of Teacher Education majors. Prerequisites: SPED 370. Materials charge for this course.*

465 Fieldwork in Special Education III. (4) Pre-clinical experience in the planning, implementation, and assessment of instruction with students with disabilities in elementary and secondary settings. *Prerequisites: LA 384; SPED 400 and 460.*

SPEECH PATHOLOGY AND AUDIOLOGY (SPA)

100 Introduction to Communication Sciences and Disorders. (3) Introduction to the fields of speech-language pathology and audiology including theories and methods related to typical and disordered speech, language, and hearing. Examination of how communication disorders impact a person's psychological and social functioning. Opportunity to observe clinical procedures.

121 American Sign Language I. (3) Introduction to American sign language with special focus on topics dealing with the Deaf community's culture, heritage, and language.

122 American Sign Language II. (3) An intermediate course that builds on introductory signs, focuses on supplemental areas of sign language including profession-specific signs, and American Sign Language (ASL). *Prerequisite: SPA 121 or permission of instructor.*

210 Anatomy and Physiology of Speech Production. (3) Study of the anatomy, physiology, and neurology required for human speech production. Consideration of the processes of respiration, phonation, resonation, and articulation.

212 Phonetics. (3) Study of the articulatory and acoustical nature of speech sounds used in English and other phonetic-phonemic phenomena. Instruction in using the International Phonetic Alphabet for transcription. Some attention to dialectal differences.

223 Vocational Application of American Sign Language. (3) An advanced course focused on continued development of receptive and expressive skills in American Sign Language with an emphasis on applying these skills to the student's career field. *Prerequisites: SPA 121 and 122, or permission of instructor.*

225 Deaf Culture. (3) (Multicultural) This course provides an overview of the lives and experiences of Deaf individuals. Topics include: education of the D/deaf, Deaf films, preservation of American Sign Language, technology for communication, safety, education, and vocational services, cochlear implantation, and more.

311 Speech and Hearing Science. (3) Introduction to acoustics, perception of sound by normal hearing listeners, acoustic characteristics of speech, and speech perception. *Prerequisite: SPA 210 or consent of instructor.*

312 Normal Development of Speech and Language. (3) Study of the development of speech and language from birth through six years of age.

325 Teaching Deaf and Hard of Hearing Students. (3) Focus on the education of d/Deaf and hard of hearing individuals in the school setting. Specific components include special education, behavior interventions, collaboration with families/other team members, assistive technology, language and literacy development, cultural influence, assessment, and differentiating instruction. *Prerequisites: SPA 225.*

333 Autism Spectrum Disorder and Sensory Regulation. (3) An introduction to autism spectrum disorder and sensory processing regulation as it relates to children navigating dysregulation in the modern day world. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280.*

340 Introduction to Augmentative and Alternative Communication. (3) Introduction to augmentative and alternative communication (AAC) for students who may interact with nonspeaking individuals in their future fields of study. Students will learn how to interact and support these individuals by learning about all types of AAC systems. *Prerequisites: ENG 180 and 280, or permission of the instructor.*

381 Speech Sound Development and Disorders. (3) Study of speech sound development of General American English. Investigation of production, perception, evaluation, and treatment of children's articulatory and phonological disorders and childhood apraxia of speech. Cleft lip and palate and its effects on speech sounds are included. *Prerequisite: SPA 212.*

383 Neuroscience for Speech, Language, and Hearing. (3) Overview of the neuro-anatomy and neuro-physiology related to speech, language, and hearing. Emphasis will be placed on both the central and peripheral nervous systems. *Prerequisite: SPA 210.*

385 Developmental Language Disorders. (3) Study of the characteristics, etiology, assessment, and treatment of developmental language disorders. *Prerequisites: SPA 212 and 312.*

386 Acquired Communication Disorders. (3) Study of the characteristics, etiology, assessment, and treatment of acquired communication disorders. Topics will include aphasia, apraxia, dysarthria, voice disorders, and dementia. *Prerequisite: SPA 383.*

390 Audiometry and Hearing Disorders. (3) Introduction to audiology. Covers the anatomy and physiology of the peripheral and central auditory systems. Students will learn to screen and evaluate these systems using subjective and objective measures; determine type, degree, and configuration of hearing loss. *Prerequisite: SPA 210, 311, or consent of instructor.*

391 Auditory System and Hearing Loss. (3) The course will focus on understanding the peripheral auditory system, types of hearing loss, assessment, and treatment. *Prerequisite: enrollment in the American Sign Language minor.*

400 Senior Honors Thesis Research. (3) Bibliographic and other preliminary work in preparation for a senior honors thesis (see SPA 401). Students will produce a final, graded project for this course. *This course may not be taken concurrently with SPA 401. Prerequisites: ENG 180 and 280; students must be second-semester juniors or first-semester seniors majoring in Speech Pathology and Audiology.*

401 Honors Thesis. (3) Students will write a senior honors thesis under the supervision of a faculty member. *This course may not be taken concurrently with SPA 400. Prerequisites: SPA 400; ENG 180 and 280; students must be seniors majoring in Speech Pathology and Audiology.*

418 Independent Research in Communication. (1–6, repeatable to 6) Individual reading or research under supervision of the faculty. Open to juniors and seniors who have demonstrated competence in speech-language-hearing sciences. *Prerequisites: ENG 180 and 280; consent of Instructor and School Director.*

472 Scientific Thinking in Communication Sciences and Disorders. (3) Overview of the scientific method and interpretation of research literature in the field of communication sciences and disorders. Emphasis will also be placed on the use of evidence based practice in the fields of audiology and speech-language pathology. *Prerequisites: ENG 280 and STAT 171 and either junior or senior standing in SPA or permission of instructor.*

481 Evaluation Procedures in Speech-Language Pathology. (3) Consideration of the general role of evaluation in speech and language therapy with intensive study of diagnostic tests and procedures used to assess communication disorders. *Writing Instruction in the Disciplines (WID) course. Prerequisites: ENG 180 and 280; SPA 390.*

482 Clinical Methods in Speech-Language Pathology. (3) Study of the clinical management of communication disorders with particular emphasis on intervention methods such as developing treatment plans and monitoring treatment progress. Interviewing and counseling skills will also be addressed. *Prerequisites: SPA 385 and 386.*

488 Clinical Practicum in Speech-Language Pathology. (1, repeatable to 3) Supervised clinical practice with children and adults having speech or language disorders. Students must meet academic and observation hour requirement. *Prerequisites: SPA 385 and 386; 30 clinical observation hours; minimum GPA of 3.0 in SPA coursework. Additional charge for this course.*

489 Clinical Fieldwork in Speech Language Pathology. (1, repeatable to 8) Supervised clinical fieldwork for the Speech Language Pathology Assistant. *Prerequisites: SPA option and junior standing.*

494 Aural Rehabilitation. (3) Focus on changing modes of communication in the pediatric deaf/hard of hearing (DHH) population. Topics include communication with ASL, total communication, listening and spoken language, provision of holistic therapy, and management of amplification devices for facilitating optimal communication. *Prerequisites: ENG 180 and 280, or permission of instructor.*

499 Clinical Practicum in Audiology. (1, repeatable to 3) Supervised clinical practice in the Speech-Language-Hearing Clinic with children and adults having hearing disorders. Students must meet academic and clinic observation hour requirements. *Prerequisites: SPA 390; 30 clinical observation hours; minimum GPA of 3.0 in SPA coursework.*

STATISTICS (STAT)

The symbol # preceding the course number in STAT 171 indicates that this course does not count toward the major or minor in Mathematics.

#171 General Elementary Statistics. (3) (General Education/Mathematics) Principles and applications of sampling, estimation, and hypothesis testing. *Prerequisite: MATH 100 or MATH 110 or equivalent (C grade or higher) or WIU placement.*
IAI: M1 902.

276 Introduction to Probability & Statistics. (3) Probability laws, random variables, probability distribution functions, population parameters, counting rules, statistics and sampling, estimating, testing hypotheses, regression, and correlation. *Prerequisite: MATH 133 or 137 or equivalent.*

471 Introduction to Mathematical Statistics I. (3) The mathematical foundations of probability and statistics, principles of probability, sampling, distributions, moments, and hypothesis testing. *Prerequisite: MATH 231 or equivalent.*

472 Introduction to Mathematical Statistics II. (3) Continuation of STAT 471 including further topics in estimation and hypothesis testing. *Prerequisite: STAT 471.*

473 Nonparametric Statistical Methods. (3) Systematic development of nonparametric statistical methods. Topics include: order statistics, ranks, empirical distribution functions, point and interval estimations, hypothesis tests such as sign rank test, Mann-Whitney-Wilcoxon, Kruskal-Wallis, Kolmogorov-Smirnov, permutation, and bootstrap methods. *Prerequisite: STAT 276 or 471 or consent of the instructor.*

474 Regression and Time Series Analysis. (3) Simple and multiple linear regression, variable selection, model adequacy, interpreting regression results; time series modeling and forecasting with autoregressive and moving average models. *Prerequisite: STAT 276 or equivalent and MATH 311 or equivalent.*

478 Analysis of Variance. (3) A study of analysis of variance and covariance with applications. Includes experimental design. *Prerequisite: STAT 276 or equivalent.*

STUDENT TEACHING (STCH)

The successful completion of an approved student teaching experience is documented through one or more of the following courses.

430 Student Teaching—Special Needs—Elementary Level. (1–16) Kindergarten through the sixth grade.

431 Student Teaching—Special Needs—Secondary Level. (1–16) Grades 7–12.

437 Student Teaching—Bilingual. (1–16) Bilingual student teaching in grades kindergarten through eighth grade.

459 Student Teaching in Early Childhood Education (PK–K). (1–16) A pre-school through kindergarten level student teaching experience. *Open only to persons in the Early Childhood program.*

460 Student Teaching—Primary Grades (1–3). (1–16) Student teaching in grades 1, 2, or 3.

461 Student Teaching—Intermediate Grades. (1–16) Student teaching in grades 4, 5, and 6.

462 Student Teaching—Middle Level. (1–16) Student teaching in middle level departmentalized settings, grades 5–8.

480 Student Teaching—Secondary. (1–16) Student teaching in grades 9–12.

481 Student Teaching in Music. (1–16) Grades kindergarten through the sixth grade.

482 Student Teaching in Art. (1–16) Grades kindergarten through the sixth grade.

483 Student Teaching in Physical Education. (1–16) Grades kindergarten through the sixth grade.

485 Student Teaching in Elementary Foreign Languages. (1–16) Student teaching in a foreign language in grades K–6.

SUPPLY CHAIN MANAGEMENT (SCM)

311 *(Formerly SCM 211)* Supply Chain and Operations Management. (3) Course introduces supply chain and operations management, including roles that plan, source, produce, distribute, and deliver goods and services globally. It emphasizes strategies, technologies, and decision-making to enhance efficiency, create value, and improve customer service throughout the supply chain. *Prerequisite: STAT 171.*

330 Warehouse Management. (3) An examination of the body of handling and warehousing knowledge common to all materials management. Should provide the student with skills necessary to cope with problems in the areas of purchasing, inventory control, traffic management, and production. *Prerequisite: SCM 311 or permission of instructor.*

400 Supply Chain Management Internship. (1–12, repeatable to 12) Integrates Supply Chain Management theories with application to actual business practice. All internships are supervised by a faculty coordinator and an executive in the business firm. *A maximum of 3 s.h. can be applied toward meeting the requirements for a Supply Chain Management option or minor. Prerequisites: enrolled in SCM option or minor; written approval of the School Director or Program Director; completion of SCM 311 with a grade of "C" or higher; 2.0 GPA; and BCOM 320 or COMM 241 or permission of Instructor. Graded S/U only.*

411 Global Supply Chain Management. (3) (Multicultural) Advanced study of global Supply Chain Management and the managerial functions involved in the movement of goods into and out of businesses. *Prerequisite: SCM 311 or permission of the instructor. Materials charge for course.*

440 *(Formerly SCM 340)* Logistics Management. (3) This course explores the physical distribution and transportation of goods within a technologically advanced global environment. It covers decision variables such as mode selection, 3PL services, cost/price analysis, material storage/handling solutions, risk, laws/regulations, and international shipping terms. *Not open to students with credit in SCM 340. Prerequisite: SCM 311 or permission of instructor. Materials charge for course.*

451 Essentials in Business Negotiations. (3) Course examines the various aspects and processes of business negotiations, particularly between buyers and sellers of goods and services. Through instruction and practice, students gain knowledge and understanding of the principles and techniques of mutually beneficial negotiations, including cross-cultural comparisons. *Prerequisite: SCM 311 or HRM 353 or MGT 349 or consent of instructor.*

453 Purchasing and Strategic Sourcing. (3) Study of procurement focused on strategic decision-making related to sourcing goods and services and managing inventory. Key areas of emphasis include supplier selection, relationship management, lean practices, risk assessment, contracts, international trade, and legal and ethical aspects of purchasing. *Prerequisite: SCM 311 or permission of instructor.*

457 *(Cross-listed with ENGR 457)* Project Management. (3) Presents concepts, steps/techniques required to select, organize, staff, manage, and deliver successful projects. Topics include managing innovation, change, cross-functional teams, and applying critical thinking to meet outcomes/objectives. Aligns with the Project Management Institute's CAPM and PMP certifications. *Not open to students with credit in ENGR 457. Prerequisite: SCM 311 or MGT 349 or ENGR 211 or permission of instructor.*

460, 461 Independent Study in Supply Chain Management I, II. (1–3 each, not repeatable) An independent research or study course on Supply Chain Management problems for selected students. *Prerequisites: SCM major or minor, 2.75 GPA or higher, 12 s.h. of SCM coursework, and permission of Instructor and either the School Director or Program Director.*

465 Supply Chain Risk Management. (3) Examination of effective risk management in global supply chains. Topics include: identification of risk sources; contingency planning; risk and disaster mitigation and recovery; responses to government regulatory, sustainability, societal, and stakeholder demands; and financial aspects of managing supply chain risk. *Prerequisites: SCM 411 or 440 or 453 or permission of instructor.*

470 Inventory Strategy. (3) A review of current and emerging strategies for managing and controlling inventory levels. Emphasis is on the development of quantitative techniques for successfully managing inventory costs and supply. *Prerequisites: SCM 311 and STAT 171 or equivalent.*

THEATRE (THEA)

100 Theatre Arts: Practice and Profession. (3) An introduction to all elements of the theatre by providing students with lecture/demonstrations and hands-on experience in eight areas of theatre study. Primarily for Theatre majors. *Lab.*

101 Play Analysis. (3) Analysis of plays in terms of plot, theme, character, dialogue, etc., preparatory to approaching the dramatic materials in terms of theatrical production. *Production attendance is required.*

110 Introduction to the Theatre. (3) (General Education/Fine Arts) Designed to acquaint the student with an overview of the aesthetics of drama and the practical aspects of the living theatre. *Production attendance is required.* ***IAI: F1 907.***

130 Theatre Practice. (1, repeatable to 2) Designed to increase proficiency in preparation and presentation of theatrical performance. At least one facet of the student's contribution must be carried out under the direct supervision of a member of the Theatre faculty. *Open to freshmen only.*

145 Fundamentals of Lighting and Sound. (3) An introduction to stage lighting and audio production including basic electrical theory, control systems, instrumentation and equipment, industry practices, and safety. *Materials charge for course.*

150 Stagecraft. (3) Study of basic skills of play production including carpentry, scenic painting, and prop construction. *Materials charge for course.*

151 Technical Theatre Practicum I. (1) Training and supervised work in theatre production, including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 150.*

165 Fundamentals of Costume Construction. (3) An introduction to costuming and costume production for the theatre including sewing, draping, crafts, and wardrobe. *Materials charge for course.*

170 Movement I. (3) This course will develop an awareness of the actor's physical self while expanding the actor's physical potential. This course will also develop the actor's kinesthetic awareness to be sensitive to stimuli such as other people, various environments, and psychological moods.

171 Voice Techniques I. (3) Development of the physical and aesthetic nature of voice production. Individual analysis of voices directs attention to improvement of quality, articulation, and pronunciation.

172 Acting I. (3) Fundamental concepts, terms, and techniques in acting. Participation in class exercises and problems give the student an opportunity to begin developing skills in performance.
IAI: TA 914.

176 Techniques of Musical Theatre Performance. (3) Designed to introduce the student to the practical demands and staging of musical comedy in the theatre. Emphasis will be placed on specific dance routines, musical comedy styles, and audition pieces. *Prerequisite: permission of instructor.*

201 Multiculturalism in Theatre. (3) (Multicultural) An analysis of multicultural issues found in drama. The class will survey cultural differences as well as the issues and topics unique and specific to various cultures and minorities.

230 Theatre Practice. (1, repeatable to 2) Same as THEA 130. *Open to sophomores only.*

251 Technical Theatre Practicum II. (1) Continuation of THEA 151. Training and supervised work in theatre production including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 151.*

269 Make-Up. (2) Practice and theory of make-up in the theatre, designed to develop proficiency in the various techniques and styles of make-up application. *Materials charge for course.*

270 Movement II. (3) Continuation of THEA 170—Movement I. This course explores the actor's own movement habits and patterns, and develops methods for altering and implementing new physical mannerisms for created characters through movement and masks. *Prerequisite: THEA 170 or permission of instructor.*

271 Music Skills for Musical Theatre I. (2) Basic musicianship skills with specific applications to Musical Theatre situations. *Prerequisites: Musical Theatre major with sophomore standing; B.F.A. music fundamentals proficiency or MUS 180—Fundamentals of Music; B.F.A. piano proficiency.*

273 Improvisation for Theatre. (3) Designed to enhance intuitive and spontaneous skills of acting through a series of structured exercises focusing on conflict, situation, and characterization. *Prerequisite: THEA 172.*

274 Music Skills for Musical Theatre II. (2) A continuation of THEA 271. *Prerequisites: Musical Theatre major with sophomore standing and THEA 271; B.F.A. music fundamentals proficiency or MUS 180—Fundamentals of Music; B.F.A. piano proficiency.*

276 Musical Theatre Studio. (3) Performance of major roles of Musical Theatre in studio projects. Emphasis on the student's integration of singing, acting, and movement into a unified performance. *Prerequisite: Musical Theatre major with sophomore standing or permission of the instructor.*

298 Independent Study. (1–3) Private work on specific problems in performance or tech/design with an approved advisor. *Student must request course the semester before enrolling.*

311 Acting II. (3) Continuation of THEA 172—Acting I, with the emphasis on script analysis and in-class scene study. *Prerequisites: THEA 170 or DAN 113; and THEA 171 and 172.*

321 Stage Management. (3) Study of the procedures involved in stage management with opportunities for the student to gain experience in this area.

323 Theatre Organization and Management. (3) Study of the procedures involved in theatre publicity and sales with opportunities for the student to gain experience in this area.

330 Theatre Practice. (1, repeatable to 2) Same as THEA 130. *Open to juniors only.*

337 Professional Semester. (12) Designed to give the undergraduate student the opportunity and the learning experience to practice the craft of theatre off-campus in a professional situation. *Students may enroll in this course only after they have been accepted into a reputable theatre organization and have received approval from the Theatre faculty. Because most of the student's time will be spent off-campus working in a theatre, or with a theatre organization, students should not enroll in any other courses during the semester they are enrolled in THEA 337.*

338 Advanced Topics in Technical Theatre. (2) Creative and practical projects assigned in conjunction with major campus productions. *Prerequisite: THEA 150 or permission of instructor. Materials charge for course.*

345 Lighting Design I. (3) In-depth investigation of the varied aspects of stage lighting theory, design, and practice. The practice will include theoretical production experiences. *Prerequisite: THEA 145.*

350 Production Practicum. (1–3, repeatable to 9) Training/supervising work in technical areas of theatre. Students are required to work in a different shop each semester. Crew assignments outside of the shop will include but are not limited to run crew, front of house, assistant stage management.

354 Theatrical Drafting. (3) Advanced study of the principles and methods of drafting conventions and techniques employed by the theatre designer or technician. *Prerequisite: THEA 150 or permission of instructor.*

355 Scene Design I. (3) Introduction to the methodology and practice of scene design. Application of knowledge through a series of fundamental design projects. *Prerequisite: THEA 354 or permission of instructor.*

356 Theatrical Rendering. (3) Media and techniques employed in the presentation of theatrical designs. *Prerequisite: permission of instructor.*

365 Costume Design I. (3) History of fashion. Discussion of the theory of costume design and color. Projects assigned in interpreting historical clothing into theatrical costume. *Prerequisite: THEA 165. Materials charge for course.*

372 Acting: Characterization. (3) Intense and extensive character analysis and improvisation exploring possible strategies and approaches an actor may take in presenting a character. *Prerequisite: THEA 270 and 311.*

373 Acting: Shakespeare. (3) Designed to deal with individual problems of the actor. Consideration is given to acting in verse drama, particularly the works of Shakespeare. *Prerequisite: THEA 270 and 311.*

381 Directing I. (3) The director's function in theatrical production from an aesthetic and practical standpoint. *Prerequisite: THEA 101, 172, and 321.*

382 Directing II. (3) A continuation of the development of directorial skills using classroom exercises, discussions, and scene work. *Prerequisite: THEA 381 or permission of instructor.*

390 World Theatre History I. (3) (Multicultural) A survey of world theatre history and literature from its origins in antiquity through the 17th century, tracing the social, political, and economic conditions in which theatre has developed around the world. *Prerequisites: successful completion of ENG 180 and 280.*

391 World Theatre History II. (3) A survey of world theatre history and literature from the 17th century to the 1930s, tracing the social, political, and economic conditions in which theatre has developed around the world. *Writing Instruction in the Disciplines (WID) course. Prerequisites: successful completion of ENG 180 and 280.*

392 World Theatre History III. (2) A survey of world theatre history and literature from the 1930s to the present, tracing the social, political, and economic conditions in which theatre has developed around the world. *Prerequisites: successful completion of ENG 180 and 280.*

400 Independent Research and Projects. (1–6, repeatable to 6 for different topics) Individual study or research under supervision of the faculty. *Open to seniors who have demonstrated special competence in Theatre. By permission of the School Director or Program Director only. Student must request course the semester before enrolling.*

401 Honors Thesis/Project. (3) A capstone course for students pursuing Honors in the Major candidate in Theatre. Students will write a senior honors thesis or produce a final graded creative project. *Prerequisite: G H 299 and 6 s.h. of in-course honors in Theatre; senior Theatre major.*

409 Playwriting I. (2) Designed to instruct in the basic principles of the art of playwriting: objective, development of obstacles in incidents, characterization, and climax. *Prerequisites: ENG 180 and 280.*

419 Playwriting II. (2) Continuation of THEA 409. Students who have achieved a basic level of proficiency in the art of playwriting are encouraged to further develop their skills. *Prerequisites: THEA 409; ENG 180 and 280.*

430 Artistic Practicum. (1–3, repeatable to 9) Designed to increase proficiency in theatrical performance, design, stage combat, directing, intimacy, music directing, playwriting, and more, to be carried out under the direct supervision of a member of the Theatre faculty, including weekly meetings and regular rehearsals. *Prerequisite: permission of Program Director.*

446 Lighting Design II. (3) Continuation of THEA 345. The varied aspects of production experience. *Prerequisite: THEA 345.*

450 Technical Theatre Practicum IV. (1) Continuation of THEA 350. Training and supervised work in theatre production including costume construction, set and prop construction, and crew assignments. *Prerequisite: THEA 350.*

451 Period Styles I. (3) Survey of architectural elements, furnishings, and decorative motifs useful to theatre designers: prehistoric through modern including Far Eastern styles. *Prerequisite: permission of Program Director.*

452 Period Styles II. (3) A historical exploration and examination of costume history from Mesopotamia to contemporary clothing fashions. This class will cover historical clothing terms as well as how history and architecture influence fashion. *Prerequisite: at least sophomore standing.*

455 Scene Design II. (3) The effects of the elements of scene design in the theatre and the designer's methods of working on design problems. Individual design skill development through creative project assignments. *Prerequisite: THEA 355.*

456 Scene Painting. (3) Introduction to painting for the stage with an emphasis on materials, texturing techniques, and three-dimensional effects. *Materials charge for course.*

465 Costume Design II. (3) Projects assigned in interpreting historical clothing into theatrical costume. *Prerequisite: THEA 365 or permission of instructor.*

470 Stage Combat: Unarmed. (4) Students will learn safe, effective techniques for performing unarmed stage fights, falls, and rolls. Emphasis on acting the fight, safety, and realism. *Prerequisites: THEA 170 and 172, or permission of instructor.*

472 Auditions. (2) Designed to prepare the advanced acting student in the techniques, opportunities, and procedures of auditioning, interviewing, and constructing resumes for advanced study or career placement. *Prerequisite: THEA 372 or 373.*

473 Acting and the Camera. (3, repeatable to 9) A course designed to incorporate skills learned in basic acting classes and basic video or film production courses, emphasizing camera students working with actors and actors working in front of the camera. *Prerequisite: Performance students: THEA 311 or permission of instructor; Camera students: BC 110 or BC&J 311 or permission of instructor.*

474 Stage Combat: Armed. (4, repeatable to 20) Designed to teach safe, effective techniques for various weapons. Weapons could include broadsword, sword and shield, quarterstaff, rapier, and dagger. Emphasis on acting the story and safety. *Prerequisites: THEA 470 and/or permission of the instructor.*

476 Advanced Techniques of Musical Theatre. (3) Continuation of THEA 176. Further development of singing and acting abilities, enabling the student to fuse these talents and perform with greater success in the genre of Musical Theatre. *Prerequisites: at least two acting classes, proficient music skills, and permission of the instructor.*

477 Dialects. (3) Training in American regional and foreign dialects most frequently required in performance. Various approaches are introduced so that individuals may develop personal working methods. *Prerequisite: THEA 171 and 172, or permission of instructor.*

479 Professional Summer Semester. (1–12, repeatable to 12) Practical and theoretical work in all aspects of production during intensive eight-week rehearsal and performance of Summer Music Theatre. *Auditions required.*

481 Rehearsal Techniques. (3) The examination and practical application of techniques for the development of creative rehearsal environments, effective actor/director communication, and strategies for exploring the moment to moment dynamics of a scene. *Prerequisite: THEA 382.*

482 Independent Projects in Directing. (3) Supervised independent projects in directing. *Prerequisite: THEA 481 with a B or better.*

483 Assistant Director Practicum. (1) Designed to give the directing student the opportunity to participate in a mainstage production, the student will work on all aspects of the artistic development of a production under the mentorship of the faculty director. *Prerequisites: THEA 481 and permission of instructor.*

485 Professional Preparation. (3) Professional development course for design and technology students focused on portfolio creation, website development, resumes/CVs, networking, contracts, and interview skills. Students complete a fully launched professional website and cohesive career materials preparing them for industry or advanced study. *Prerequisite: at least sophomore standing.*

492 Musical Theatre Auditions and Professional Preparation. (3) Designed to prepare students to be successful at professional Musical Theatre auditions and to provide them with practical skills and information related to show business (i.e.: agents, managers, unions, negotiating, contracts, headshots, resumes, casting directors, etc.). *Prerequisite: THEA 276.*

496 Experiments and Topics in Theatre. (1–3, repeatable to 12) Investigation and exploration of special projects or experiments which will immerse students in a specific topic, technique, or concept. *Prerequisites: ENG 180 and 280; junior or senior standing.*

497 Musical Theatre History. (3) History of Musical Theatre, primarily focusing on American Musical Theatre, from its defining influences and roots to the present. Topics to be covered include significant productions, composers, lyricists, librettists, choreographers, directors, designers, and actors. *Writing Instruction in the Disciplines (WID) course. Prerequisites: THEA 101 or permission of instructor, and successful completion of ENG 180 and 280.*

498 Individual Study. (1–3) Special projects in performance or design. *Prerequisites: junior or senior standing, and permission of advisor.*

499 BFA Senior Project. (3) BFA Musical Theatre seniors are to mount a fully-staged, recital format, production demonstrating high proficiency in the three primary areas of study: acting, singing, and dancing. Seniors are expected to direct their own productions, with faculty guidance. *Prerequisites: Musical Theatre major and senior standing.*

UNIVERSITY (UNIV)

100 Personal Growth and Well-Being in Higher Education. (1) This course provides first-year students with an introduction to social, intellectual, personal, and physical wellness as they relate to college-level success. *Credit cannot be given for both UNIV 100 and CSP 110. Prerequisite: freshman standing with fewer than 24 s.h. earned, or permission of University Courses Coordinator.*

102 Academic Refocus. (1) Assists first-year students who do not hold a positive academic status in creating and implementing a plan to address barriers to academic competency, develop support networks, formulate academic success strategies, and utilize campus resources to reach good academic standing. *Prerequisite: permission of advisor.*

200 Career Exploration. (1) Introduces the concept of career exploration and lifelong career development. Guides students through researching career options and knowledge of one's personality, interests, and values in relation to career decision making.

360 Research Methods for General and Professional Studies. (3) Course covers the research process and application of methods appropriate to professional studies. Includes an introduction to research methodologies, project planning, and reporting. *Not open to students with credit in LIB 360. Prerequisites: junior standing; ENG 180 and 280; or permission of instructor.*

390 Career Preparation. (1) Assist students in developing tools and skills to effectively market and transition themselves into the workforce, increase student understanding of the job search process, and strengthen the students' confidence level in setting and reaching their professional goals. *Prerequisite: sophomore, junior, or senior standing.*

490 Career Internship. (2–12, repeatable to 12) Appropriate, supervised practical work experience in a career related setting. *BGS online writing course. Prerequisites: junior/senior standing, 2.00 GPA, and permission of instructor. Graded S/U only.*

WOMEN'S STUDIES (WS)

190 Introduction to Women's Studies. (3) (General Education/Social Sciences) (Multicultural) An exploration of women's roles and their status in society with insights gained from various disciplines including History, Sociology, Psychology, and Literature. ***IAI: S9 900.***

220 *(Cross-listed with PHIL 220)* Feminism and Ethics. (3) (Multicultural) A multicultural and comparative investigation of feminist issues in ethics and women's contributions to moral theory. *Not open to students with credit in PHIL 220.*

265 Women and Creativity. (3) This course explores some of the ways that women represent female experiences through creativity. Primary emphasis is on their contributions as producers and creators of various artistic forms. *Prerequisite: WS 190 or permission of instructor.*

270 Hispanic Women. (3) Emphasizing Hispanic women's cultural production and activism, this course considers the diversity of perspectives and experiences of Hispanic women from a range of cultural and geographical backgrounds. Globally, Hispanic language, heritage, and culture constitute an important intersecting factor of identity.

280 Lesbianism and Gender Identity. (3) Using political and historical narratives of same-sex desiring women and women of other queer identities, this course will consider the diversity of perspectives, realities, and activism of these women as informed by their culture, race, class, and disability.

285 *(Cross-listed with SOC 285)* Women: A Global Perspective. (3) (Multicultural) This course emphasizes the voices of women across the globe from an interdisciplinary perspective. Special attention will be paid to women's activism, the transnational feminist movement, and an examination of the category "woman" in the global context. *Not open to students with credit in SOC 285. Prerequisite: WS 190 or SOC 100.*

301 *(Cross-listed with ENG 301)* Women and Literature. (3) (Multicultural) The study of literature as an art practiced by women, with an examination of portrayals of women in literature. *Not open to students with credit in ENG 301.* ***IAI: H3 911D.***

303 *(Cross-listed with REL 303)* Women in Religion. (3) (Multicultural) A cross-cultural, comparative, interdisciplinary investigation of the presence of women in shaping the religious cultures of the world. *Not open to students with credit in REL 303. Prerequisite: one 100- or 200-level Religious Studies course or consent of instructor.*

307 *(Cross-listed with ENG 307)* Issues for Women Writing. (3, repeatable to 6 for different topics) Reading, discussion, and writing focused on a particular social, cultural, or personal issue related to how and what women write. *Not open to students with credit in ENG 307. Prerequisite: ENG 299 or WS 190, or consent of instructor.*

310 *(Cross-listed with AAS 310)* Black Women in the United States. (3) A sociological analysis of the various social roles of Black women, including those of gender, education, occupations, and marriage and family, with some attention given to contributions and achievements. *Not open to students with credit in AAS 310.*

315 *(Cross-listed with ANTH 315)* Gender and Anthropology. (3) Exploration of cross-cultural ethnographies of variations in gender roles in economic, religious, and political domains. This course also addresses gender identity and gender diversity issues. *Not open to students with credit in ANTH 315. Prerequisite: ANTH 110 or consent of instructor.*

316 *(Cross-listed with COMM 315)* Gender and Communication. (3) This course examines gender and gender-role differences and similarities in verbal and nonverbal communication and surveys several contexts in which sex differences in human communication occur. *Not open to students with credit in COMM 315. Prerequisite: COMM 130.*

317 *(Cross-listed with HIST 317)* Women in American History. (3) (Multicultural) A multicultural and historical survey of women in the United States, from 1500 to the recent past. *Not open to students with credit in HIST 317. Prerequisite: HIST 105 or 106, or consent of instructor.*

318 *(Cross-listed with HIST 318)* Women and Gender in European History. (3) (Multicultural) A study of women and gender in Europe, from antiquity to the recent past, focusing on changes in culture, society, the economy, and politics. *Not open to students with credit in HIST 318. Prerequisite: HIST 115 or 116, or consent of instructor.*

321 *(Cross-listed with HLTH 321)* Women's Health. (3) Provides information about how women can improve their chances of achieving and maintaining high-level wellness. Among the topics included are: prevention, early detection and treatment of health problems commonly occurring among women, contraception, pregnancy and childbirth, using the medical care system, and mental health. Open to male and female students. *Not open to students with credit in HLTH 321. Prerequisite: junior standing.*

330 *(Cross-listed with ANTH 330)* Sex and Gender in Archaeology. (3) The study of sex, gender, and power in archaeological investigations and theory, including cross-cultural comparison of gender and social differentiation in past societies. Changing perspectives on the roles of females in human evolution and prehistory are emphasized. *Not open to students with credit in ANTH 330. Prerequisite: ANTH 110 or 111 or WS 190, or consent of instructor.*

335 *(Cross-listed with POLS 335)* Women and Politics. (3) (Multicultural) An examination of the changing role of women in American politics. Focus on women as participants in politics, public policies of concern to women, and feminist theories of political change. *Not open to students with credit in POLS 335. Prerequisite: POLS 101 or 122, or permission of instructor.*

342 *(Cross-listed with HIST 342)* Women and Gender in Asian History. (3) (Multicultural) A study of women and gender in Asia from ancient times to the recent past, with an emphasis on social, political, economic, and cultural aspects of their lives. *Not open to students with credit in HIST 342. Prerequisite: HIST 116 or consent of instructor.*

355 Introduction to Feminist Theory. (3) A study of the theoretical foundations of modern feminist theory. Writings of early feminists such as Sara Grimke, Mary Wollstonecraft, Harriet Taylor, Sojourner Truth, Anna Julia Cooper, and Elizabeth Cady Stanton are explored for their impact on the development of feminist thought. *BGS online writing course. Prerequisite: WS 190 and one additional Women's Studies course, or permission of instructor.*

357 *(Cross-listed with PSY 357)* Women and Work. (3) (Multicultural) Examination of major psychological issues encountered by women entering the workforce, including career choice, combining work and family life, leadership, and inequities. *Not open to students with credit in PSY 357. Prerequisite: PSY 100.*

360 *(Cross-listed with SOC 360)* Gender and Society. (3) (Multicultural) This course provides a sociological examination of theories of gender, socio-historical gender patterns, gender and American social institutions, social structure and gender, and cross-cultural comparisons. *BGS online writing course. Not open to students with credit in SOC 360. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

370 Women in Popular Culture. (3) (Multicultural) A sociocultural study of stereotypes of women as portrayed in American popular culture with a particular emphasis placed upon the images of women of color. *Prerequisite: WS 190.*

391 Special Topics in Women's Studies. (1–3, repeatable to 6) An in-depth investigation of special topics in the field of Women's Studies. *Prerequisites: WS 190 and permission of instructor.*

395 *(Cross-listed with ANTH 395)* Gender, Race, and the Environment. (3) (Multicultural) Explores research, scholarship, and fictional ecofeminist works. Students will consider the influence of women, feminists, and ecofeminist writings on local and global environmental movements. *Not open to students with credit in ANTH 395. Prerequisite: ANTH 110 or WS 190 or consent of instructor.*

410 *(Cross-listed with SOC 410)* Women and Poverty. (3) The poverty of women in the United States including factors of race, place of residence, and age are covered. Structural hierarchies that maintain poverty are examined from a sociological perspective. *Not open to students with credit in SOC 410. Prerequisite: WS 190 or SOC 100 or consent of instructor.*

420 *(Cross-listed with AAS 420 and SOC 420)* Race, Class, and Gender. (3) The course will examine issues of race, class, and gender in historical, cultural, and contemporary societal contexts. *Not open to students with credit in AAS 420 or SOC 420. Prerequisite: WS 190, or AAS 100, or SOC 100; or permission of instructor.*

430 *(Cross-listed with SOC 430)* Sociology of Women's Health. (3) Uses sociological theories and research to examine the gendered experience of illness. Includes sociological analysis of medical knowledge about women's health. Topics include medicalization of women's health, the gendered hierarchy of professions, and feminist critiques of scientific research. *Not open to students with credit in SOC 430. Prerequisite: SOC 100 or WS 190, or consent of instructor.*

433 *(Cross-listed with PSY 433)* Psychology of Gender. (3) Examines the psychological, social, and biological bases for societal-defined sex roles. The knowledge of these factors will assist students in recognizing and understanding the influence of gender on human experiences (i.e., behaviors, cognitions, emotions, physiology) and relationships. *Not open to students with credit in PSY 433. Prerequisite: 9 s.h. of Psychology coursework, or graduate standing, or permission of instructor.*

435 *(Cross-listed with SOC 435)* Women and Crime. (3) Theories of female criminality, patterns of female crime and victimization, women in corrections, and women as criminal justice practitioners are examined. *Not open to students with credit in SOC 435. Prerequisite: SOC 100 or consent of instructor.*

470 *(Cross-listed with KIN 470)* Gender and Sport. (3) Examines relationships between gender, sport, and physical activity. Gender is examined within the context of stereotypes and the structure/philosophy of sport and physical activity. Sport and physical activity are investigated as social institutions relative to cultural constructions of gender. *Not open to students with credit in KIN 470. Prerequisite: WS 190 or permission of instructor.*

491 Women's Studies Honors Thesis. (1–4, repeatable to 4) An independent study project or paper to be supervised by two members of the faculty in Women's Studies. *Prerequisite: senior Honors in the Major candidate.*

494 *(Cross-listed with BC&J 494 and ENG 494)* Women and Film/Television. (3) An overview of women in film and television that considers the on-screen images of women as well as the positions of women working behind the scenes (with laboratory). *Not open to students with credit in BC&J 494 or ENG 494. Prerequisites: ENG 180 and 280.*

497 Independent Study in Women's Studies. (1–3, repeatable to 6) Individual readings and/or research on a topic within Women's Studies. *Prerequisites: WS 355 and permission of Program Director.*

499 Internship in Women's Studies. (1–9, repeatable to 9) Supervised work in an applied occupational area related to women. *Prerequisites: junior standing and permission of Program Director.*

ZOOLOGY (ZOOL)

***Laboratories** are required in most Zoology courses. A lab use charge applies to all ZOOL laboratory courses. Students must participate in all required course activities including field trips as specified by the instructor.*

200 Introduction to Animal Biology. (4) (General Education/Natural Sciences) A lecture and laboratory course recommended for science majors and minors, emphasizing basic principles in animal biology including scientific inquiry, cell biology, genetics, ecology, evolution, and diversity in animal anatomy and physiology. ***IAI: L1 910L; BIO 910 as BOT/ZOOL 200 sequence.***

320 Vertebrate Embryology. (3) Development of the vertebrate body and its organs. Provides a basis for understanding adult anatomy. Both lecture and laboratory are descriptive. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

321 Comparative Anatomy. (3) Anatomy of the vertebrates studied from the viewpoint of their evolutionary history. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better); junior standing or consent of the instructor.*

325 Vertebrate Evolution. (3) The evolutionary history of the vertebrates, emphasizing macroevolutionary trends in vertebrate diversity and skeletal functional morphology. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better) or GEOL 112 or ANTH 111.*

330 Human Anatomy and Physiology I. (4) An integrated study of the organ systems of the normal human body. Subjects covered include cells, tissues, skeletal, muscular, central, and autonomic nervous systems. Laboratory includes cat dissection and appropriate physiological experiments. *Prerequisite: BIOL 101 (C grade or better) or ZOOL 200 (C grade or better) or MICR 200 (C grade or better), or permission of the instructor.*

331 Human Anatomy and Physiology II. (4) A continuation of ZOOL 330. The topics included are the endocrine, respiratory, cardiovascular, digestive, metabolic, urinary, and reproductive systems. *Prerequisite: ZOOL 330.*

410 Ornithology. (3) Identification, biology, ecology, and life histories of birds. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better). Frequent field trips.*

411 Entomology. (3) Principles of entomology, including classification, general biology, and morphology. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

412 Mammalogy. (3) Identification, classification, distribution, and life histories of mammals. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

413 Herpetology. (3) Identification, classification, distribution, and biology of reptiles and amphibians. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

414 Ichthyology. (3) Identification, classification, distribution, and life histories of fishes. *Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better). Estimate of field trip costs: $10.00. Outside field trips required.*

415 Invertebrate Zoology. (3) A study of invertebrate form and function as it relates to taxonomy, evolution, ecology, behavior, and physiology. Laboratory will involve comparative experimental and observational approaches. *Prerequisite: ZOOL 200 (C grade or better).*

417 *(Cross-listed with ANTH 417)* Primate Ecology, Behavior and Evolution. (3) This course takes an interdisciplinary approach to primatology utilizing principles from anthropology, ecology, paleontology, and animal behavior. Students gain an understanding of the evolutionary history, adaptations, and conservation of primates and their habitats. *Not open to students with credit in ANTH 417. Prerequisite: ANTH 111 or ZOOL 200 (C grade or better) or permission of instructor. Junior standing recommended.*

420 Biology of Aging. (3) Introduction to the nature and theories of aging. A study of the processes involved at the molecular, cellular, organ, and organismal levels of development and the changes that occur with time. Relationships between aging and immunity, neoplasia, and systems integration are explored. Emphasis on humans. *Prerequisites: BIOL 100 and 101 or BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

430 Animal Physiology. (3) Systemic physiology, concerning the functions of nervous, muscular, respiratory, digestive, excretory, reproductive, and endocrine systems. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BOT 200 (C grade or better); ZOOL 200 (C grade or better); one year of Chemistry; ENG 280.*

432 Neurobiology. (3) Provides a quantitative understanding of neurophysiology in the context of neural systems that underlie animal behavior. Laboratory uses animal preparations and computer models. *Prerequisites: MATH 123 (or higher) with a grade of C or better, and either BIOL 100 (or higher) or PSY 343 with a grade of C or better, and minimum of junior standing; or permission of instructor.*

451 Advanced Topics in Animal Ecology. (3) Relationships of animals to their environment. *Writing Instruction in the Disciplines (WID) course. Prerequisites: BIOL 350, ZOOL 200 (C grade or better), and ENG 280.*

452 Freshwater Biology. (3) Common freshwater organisms and some of their relationships to one another, to their environment, and to man. *May not be taken by students who have completed BOT 452. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

460 Parasitology. (3) Ecology and evolutionary relationships of parasitic eukaryotes. Emphasis on parasites of humans. *May not be taken by students who have completed MICR 460. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

461 *(Cross-listed with NURS 461)* Pathophysiology. (4) Alteration in physiology, pathogenesis of structure and function of the human body leading to disease, and manifestations of disease states are discussed. In addition, body system interaction is analyzed in maintaining physiological homeostasis during disease/altered states. *Not open to students with credit in NURS 461. Prerequisites: MICR 200 (C grade or better), ZOOL 330 and ZOOL 331; or consent of instructor.*

476 Special Topics. (3–9, repeatable to 9 for different topics) This course explores a topic in zoology of current interest. See course schedule for description. *Only 6 s.h may count toward major. Prerequisites: BOT 200 (C grade or better) and ZOOL 200 (C grade or better).*

485 *(Cross-listed with RSTA 485)* Resource Management for Fly Fisheries. (3) Students will learn trout stream ecology and management, and gain fly-fishing experience. Course includes a one-week trip to a stream for students to meet with resource professionals and to practice their skills. *Not open to students with credit in RSTA 485. Prerequisite: One of the following: BOT 200 (C grade or better), MICR 200 (C grade or better), ZOOL 200 (C grade or better), RSTA 110, RSTA 111, or permission of instructor.*

Academic Services..... 394–396

Academic Advising
Council on Admission, Graduation, and Academic Standards (CAGAS)
First Year Advising Center
Graduate Studies
Registrar
University Libraries
University Technology
Western Illinois University—Quad Cities
Writing Center

Student Services.....397–401

Beu Health Center
Campus Recreation
Career Preparation and Employer Engagement
Casa Latina Cultural Center
Counseling Center
Financial Aid
Go West Transit
Gwendolyn Brooks Cultural Center
LGBT*QA Resource Center
New Student and Family Programs
Student Development and Success Center
Student Engagement
Student Rights and Responsibilities
University Housing and Dining Services
University Union
Veterans Resource Center
WIU Harry Mussatto Golf Course
Women's Center

Academic Services

Academic Advising
wiu.edu/academicadvising/directory

At Western Illinois University, academic advising is an intentional, educational partnership between advisors and students. Grounded in teaching and learning, and approached from a developmental perspective, this multidimensional process considers and respects students' diverse backgrounds, interests, and abilities, while facilitating the identification and achievement of educational, career, and life goals. Students are assigned academic advisors based on the selected major or their admission program. Once a student is admitted, information about the advisor can be found on the online student record system (STARS).

Council on Admission, Graduation, and Academic Standards (CAGAS)
Sherman Hall 110; (309) 298-3101
wiu.edu/registrar/cagas

This Faculty Senate council (CAGAS) may be contacted through the Office of the Registrar in Sherman Hall. Undergraduate students seeking information concerning academic appeals (e.g., late withdrawals, course substitutions, and waivers of University requirements) may contact CAGAS at (309) 298-3101 or *CAGAS@wiu.edu*. Students filing such appeals may send them to CAGAS, Sherman Hall 110, or to the email address indicated above.

First Year Advising Center (FYAC)
Memorial Hall Lower Level; (309) 298-1871
wiu.edu/academicsuccess

The First Year Advising Center specializes in supporting the transition of all new freshmen from high school to college. Students in our University Advising Program (undecided), Reach Program, and high school students who are taking dual credit courses are advised in the FYAC. Through multiple meetings, your FY advisor will help you choose appropriate courses for your first two semesters, explain University policies and procedures, and make referrals to resources and services available at WIU. Your FY advisor can also provide assistance if you decide to change your major. Incoming freshmen not in the Reach program, transfer students, and students pursuing an online only degree will be advised by an advisor in their academic School.

Graduate Studies
Sherman Hall 116; (309) 298-1806
wiu.edu/grad

The School of Graduate Studies is the coordinating agency for the University's graduate programs. The School of Graduate Studies is responsible for implementing the policies, procedures, and academic standards established by the Graduate Council, a representative body elected by members of the graduate faculty.

Registrar
Sherman Hall 110; (309) 298-1891
wiu.edu/registrar

The Office of the Registrar determines the residency status of students, administers the registration of students, verifies degree completion, maintains student academic records, and reviews applications for undergraduate reentry. The office is also responsible for certifying NCAA academic eligibility, issuing official transcripts and verifications, printing diplomas, publishing class schedules, coordinating Commencement, issuing grade reports, processing student requests to change a major, minor, or address, and administering academic room scheduling. The Office of the Registrar also facilitates the GradTrac program.

University Libraries
(309) 298-2705
wiu.edu/libraries

University Libraries is comprised of the main Leslie F. Malpass Library, the Music Library, the Curriculum Library, and the WIU—Quad Cities Library in Moline. Together the libraries house an extensive collection; deliver online access to thousands of journals, documents, and e-books; offer research assistance both in person and virtually; and provide library instruction. All branches offer group study spaces, wireless access, computers, and printers. WIU Libraries is a member of the Consortium of Academic and Research Libraries in Illinois, giving our users easy access to the collections of 88 other libraries throughout the state. In addition, WIU Libraries participates in the federal and Illinois depository programs and is a designated Patent and Trademark Resource Center. Archives & Special Collections is the official repository for university records and scholarship, and collects materials that document the cultural, economic, and natural heritage of west-central Illinois. For more information, please visit *wiu.edu/libraries*.

University Technology
Stipes Hall 126; (309) 298-TECH
wiu.edu/utech

University Technology (uTech) supports computer resources used by students and faculty for research and instruction. Computers are available for use in most instructional and residential buildings on both the Macomb and Quad Cities campuses. Wireless access is available in all academic buildings, residence halls, and some outdoor greenspaces.

Computer labs are available for student use in Stipes, Horrabin, Memorial, and Morgan Halls and at Western Illinois University—Quad Cities. Residence hall students in Macomb may use computer labs in each hall complex. Several labs are available 24 hours a day, while late-night access is available for off-campus students in the University Union and Malpass Library. Internet access is available in all residence hall rooms, including graduate and family housing.

Each student is provided a WIU email account and access to Google Workspace (Gmail, Docs, Sheets, Drive, and more). Discounted software is also available for purchase. Details regarding discounted and free software available to students can be found on the WIU website (*wiu.edu/studentsoftware/*).

The uTech Support Center provides walk-in support for student, faculty, and staff technology needs. Walk-in technical support is available in Stipes Hall 126 from 8:00 a.m. to 4:30 p.m. Monday–Friday. For technical assistance, please contact the uTech Support Center at (309) 298-TECH [(309) 298-8324] or *support@wiu.edu*. You can also visit us online at *wiu.edu/utech*.

Western Illinois University—Quad Cities
3300 River Drive, Moline, IL; (309) 762-9481
wiu.edu/qc

Located in a metropolitan area with a population over 380,000, WIU—Quad Cities is the public University in the Quad Cities area. WIU—Quad Cities offers bachelor's, master's, and doctoral degrees, as well as post-baccalaureate certificate programs. WIU—Quad Cities welcomes freshmen, transfers, and graduate students who seek an engaging university experience in and out of the classroom, with opportunities for experiential and service learning, networking, and internships that prepare students for a career and life after WIU.

Writing Center
Malpass Library, Third Floor (Macomb); (309) 298-2815
wiu.edu/uwc

The University Writing Center (UWC) provides a wide range of writing services to students, faculty, and staff. The UWC is staffed by highly qualified undergraduate and graduate students who can assist with writing from any discipline, at any academic level, and at any point in the writing process. For more information on locations and hours or to self-schedule an appointment, please visit us at *wiu.edu/uwc*.

Beu Health Center
Corner of Western Avenue and Murray Street; (309) 298-1888
wiu.edu/beu

Beu Health Center, located on the Macomb campus, provides outpatient primary care services for students and their spouses or domestic partners. The Center is equipped with its own pharmacy, laboratory, and x-ray facilities, and the Center's physicians and mid-level practitioners provide diagnosis, treatment, and prescriptive services for individuals. There are fees associated with services such as x-ray examinations, pharmacy products, injection services, laboratory services, equipment, and office visits. Information about Beu Health Center services can be found at *wiu.edu/beu*, and appointments may be scheduled online at *http://beuonline.wiu.edu*.

Campus Recreation
Donald S. Spencer Student Recreation Center; (309) 298-1228
wiu.edu/campusrec

Campus Recreation provides students the opportunity to pursue a healthy lifestyle and explore recreational interests through a variety of programs, facilities, and services. The Spencer Student Recreation Center features five multipurpose gym courts, two group fitness studios, a one-eighth mile elevated track, three weight rooms, three cardio areas, a boxing room, a core room, four racquetball courts, and an aquatics center with a pool, aqua climb, and hot tub. Intramural Sports offer over 30 events annually with leagues, tournaments, and events in men's, women's, co-recreational, and Greek divisions at competitive, intermediate, and recreational levels of play. Sport Clubs provide recreational opportunities, as well as regional and national competition. A variety of group fitness classes are offered daily. Informational programs and personal trainers are available to assist students with fitness equipment and goals. Please visit *wiu.edu/campusrec* for on-campus recreational facilities and activities. Add *wiurec* on Snapchat, and follow *wiucampusrec* on Instagram, Twitter, and Facebook.

Career Preparation and Employer Engagement
Memorial Hall 014 (Macomb); Quad Cities Complex Building C, Suite 1416; (309) 298-1838
wiu.edu/careers

The Center for Career Preparation and Employer Engagement focuses on career development and readiness for both the Macomb and Quad Cities campuses, as well as online students. The Career Center offers traditional resources like resume review, interview preparation, career navigation, and more; and also focuses on the enhancement of employer relations and engagement with our students to create increased experiential learning and career opportunities. More can be learned about the Career Center at *wiu.edu/careers* and through Handshake at *wiu.joinhandshake.com*.

Casa Latina Cultural Center
Multicultural Center, Suite 202; (309) 298-3379
wiu.edu/casa

Casa Latina is a space on campus that offers a holistic learning experience through programs and initiatives that facilitate the exploration of ethnic identity development, social justice, community outreach, cultural expression, and social and professional networking. Take part in multicultural celebrations and events including Bring Your Own Tortilla (BYOT), Latinx Heritage Month, Día de los Muertos, Café y Hablamos, and Calle Murray. Please visit *wiu.edu/casa* for more information.

Counseling Center
Beu Health Center, Second Floor; (309) 298-2453
wiu.edu/ucc

The University Counseling Center (UCC) provides free and confidential counseling to enrolled students. We are committed to providing comprehensive mental health services that promote the overall wellness and personal growth of our students. We offer a wide range of services to the WIU community that address students' psychological, developmental, interpersonal, and academic concerns. The Center is staffed by licensed mental health professionals who provide ethical, inclusive, culturally sensitive, and progressive treatment options to students working on self-identified goals. We believe in affirming the dignity, worth, and value of all students in our diverse population and strive to create an environment of openness, safety, and respect. More information about the Counseling Center is available online at *wiu.edu/ucc*.

Financial Aid
Sherman Hall 127; (309) 298-2446
wiu.edu/fa

The Office of Financial Aid administers a variety of student assistance programs, including grants, scholarships, federal work study, tuition grants and waivers, and low interest loan funds. More than 79% of WIU undergraduate students receive financial aid from private, federal, state, or University sources. Additional information about financial assistance and applications are available at *wiu.edu/fa*.

Go West Transit
Macomb Transit Center; (309) 575-3333
wiu.edu/gowest

Go West Transit is part of the City of Macomb Public Transportation (CMPT) Department and provides community members and students with safe, convenient transportation around campus and throughout the Macomb community. Carrying thousands of riders per year, Go West provides students with a reliable, low-cost public transportation system. Additionally, On-Demand transportation includes door-to-door demand response services and request-based route options for residents as needed. Maps, schedules, and additional information can be found online at *wiu.edu/gowest*.

Gwendolyn Brooks Cultural Center
Multicultural Center, Suite 210; (309) 298-2220
wiu.edu/gbcc

The Gwendolyn Brooks Cultural Center (GBCC) is named after the first African American Pulitzer Prize-winning poet and Poet Laureate of Illinois. Founded in 1977, the GBCC is committed to helping the campus community adjust to a multicultural/multiracial society without regard to race, age, creed, economic status, or position in life. We celebrate a wide variety of cultural events like Taste of Africa, Black History Month, and Feel Good Fridays. For more information, please visit *wiu.edu/gbcc*.

LGBT*QA Resource Center
Multicultural Center, Suite 201; (309) 298-4004
wiu.edu/lgbtqa

The Lesbian, Gay, Bisexual, Trans*, Queer/Questioning, Asexual/Ally (LGBT*QA) Resource Center offers a welcoming and inclusive environment for people of all sexualities and gender identities/expressions. The Center also serves to connect LGBT*QA individuals to resources, support, education, programming, and advocacy. The Big Picture Picnic, Camp OUT, Trans* Week of Remembrance, Drag Shows,

and Pride Month are a few of the events you can enjoy with us. A gender affirming closet (The Qloset) is available free of charge. Please visit *wiu.edu/lgbtqa* for more information.

New Student and Family Programs
Sherman Hall 116; (309) 298-1131
wiu.edu/NSFP

New Student and Family Programs (NSFP) provides various services and areas of support that assist students toward a successful transition into the Western Illinois University community. Leatherneck Launch (New Student Orientation) occurs during the fall, spring, and summer sessions and is designed to introduce new students to Western The office also facilitates programs and provides resources to first generation, transfer, and Hope Chicago students to assist them in their academic pursuits. Additionally, the office also develops resources and support for Leatherneck family members.

Student Development and Success Center
Memorial Hall 125; (309) 298-1884 (voice), (309) 298-1856 (TTY)
wiu.edu/sdsc

The Student Development and Success Center is located in Memorial Hall and combines Disability Resources, Health Education and Wellness, and Student Development into one office that is focused on providing students with the resources to overcome educational challenges.

Western Illinois University is committed to equity, social justice, and diversity. To that end, the **Disability Resource** office collaborates with faculty and staff to facilitate inclusion and ensure accessibility to University programs for students with disabilities. Students experiencing barriers in the academic or physical environment or who are interested in accommodations such as alternative testing arrangements, sign language interpreters, text conversion (i.e., Braille, electronic, enlarged) services, and note-taking assistance should contact Disability Resources at (309) 298-1884 or *disability@wiu.edu*.

The **Health Education and Wellness** office contributes to the overall responsibility of Western Illinois University for the education of students in the area of lifestyle and behavior that promotes individual as well as community health. Professional staff and graduate assistants provide a wide variety of wellness outreach programs and services. Outreach programs, as well as individual consultations regarding specific health issues are available to WIU students at no fee.

Student Development provides services and support to students as they navigate life in a University setting, with emphasis placed on student success and personal accountability. Services include assistance with absences including military activations, Leatherneck Care Referrals, emergency and crisis follow-up, and student advocacy. Student Development also works with students contemplating a University withdrawal and hears late total University withdrawal appeals for the current term.

Student Engagement
University Union; (309) 298-3232
wiu.edu/student_success/ose

The Office of Student Engagement, located in the University Union, is one of the primary resources for involvement on campus. Student life at WIU is enriched by engagement in any of the hundreds of campus organizations that meet the diverse, cultural, intellectual, and social interests of students. The Office of Student Engagement provides students with developmental learning experiences while ensuring that a spectrum of programs is provided to enhance the campus community.

Opportunities for student involvement include leadership development, volunteer services, student programming, Student Government Association, fraternities and sororities, and 200+ student organizations. Co-curricular activities provide opportunities to develop leadership, organizational, and communication skills, and to meet new people and have some fun.

Student Rights and Responsibilities
Memorial Hall 143; (309) 298-2436
wiu.edu/srr

Student Rights and Responsibilities (SRR) strives to support safe, inclusive, and educational learning environments aiding in student success. SRR informs students and organizations of their rights and responsibilities through publication of the *Code of Student Conduct* and numerous program presentations. Through coordination and management of the conduct review process, Student Rights and Responsibilities endeavors to support Western Illinois University's core values by reinforcing standards of academic excellence, promoting educational opportunities both inside and outside the classroom, enhancing personal growth of community members, and highlighting the importance of social responsibility while protecting student rights and addressing behavioral concerns.

University Housing and Dining Services
Seal Hall; (309) 298-3000
wiu.edu/uhds

The mission of University Housing and Dining Services is to provide safe, clean, comfortable residence halls; a nutritious, well-balanced food service program; and programs that support students' academic goals. The University Housing and Dining Services staff provide a wide range of services and programs for students living on campus. A wide variety of options are available to make life in WIU's residence halls a unique educational experience. Living Learning Community floor options include Agriculture, Broadcasting and Journalism, Business Studies, CLASS (Community of Liberal Arts and Sciences Students), Education, Fine Arts, Honors, Public Safety, ROTC (Reserve Officers' Training Corps), STEM (Science, Technology, Engineering, and Mathematics), Practitioners in Progress, and Transfer Year Experience. All residence hall rooms have access to the internet through either wireless or LAN connections. Learn more at *wiu.edu/uhds*.

University Union
(309) 298-2421
wiu.edu/UU

The Western Illinois University Union provides programs, services, and facilities to foster student and community growth and success. The University Union is centrally located on campus. Union services available include a food court, vending, meeting and banquet rooms, lounge spaces, theater, the University Bookstore, Union Hotel, Service Center, WIU ID Card services, and computer lab. In addition, the Union is home to The 'Neck, a student lounge space hosting billiards and foosball tables, Nintendo Switch video consoles, free jukebox, and large TVs. Located in the basement level of the facility, the Student Engagement Center (SEC) provides collaboration spaces, podcast and ZOOM rooms, and a stress/relaxation space with massage chairs and other comforting features. Also housed in the SEC is the Office of Student Engagement, which aims at supporting WIU's student organizations and promoting student engagement and involvement on campus. These services and conveniences are desired and needed by the University community in supporting life on campus and for getting to know and understand one another through social engagement outside the classroom.

Veterans Resource Center
Wright Residence (333 N. Ward St., Macomb IL); (309) 298-3505
wiu.edu/student_success/veterans

The Veterans Resource Center, located in the Wright Residence, is committed to assisting those who have served or are currently serving in the U.S. military and their family members. The Center, in collaboration with University's academic Schools and community organizations, provides coordinated services and resources in one centralized location to ensure that all veterans and service members are afforded the greatest opportunities for success. The Center staff strive to provide a streamlined approach to helping military personnel, veterans, and their family members with obtaining educational and military transcripts; completing applications for the GI Bill®, Illinois Veterans Grant, Illinois National Guard Grant, Illinois Deceased, Disabled and MIA/POW Veterans' Dependents Scholarship, Federal Tuition Assistance, and Federal student aid programs. Individual assistance in additional areas includes, but is not limited to, questions/benefits regarding periods of military activation and deployment; National Guard/Military Reserves drill or training absences; securing appropriate housing accommodations; requesting military records; and acquiring community living information, outreach services, and health benefits. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at *https://www.benefits.va.gov/gibill*. The Veterans Resource Center may be reached at (309) 298-3505 or *VeteransResources@wiu.edu*.

WIU Harry Mussatto Golf Course
1215 Tower Road, Macomb, IL; (309) 298-3676
wiu.edu/student_services/golf_course/

The Harry Mussatto Golf Course is a scenic and challenging 18-hole championship venue featuring beautiful vistas, spectacular elevation changes, four sets of tees, undulating greens, and bentgrass tees and greens. The newly-opened Arthur D. & Roselyn Chown Golf Learning Center offers the latest in golf equipment, apparel, and accessories. The facility also includes a full-service driving range with multiple short game areas and a large putting green. University golf classes, clinics, and individual instruction are also offered to help the golfer get started. WIU students with a valid student ID card are able to walk the course (either 9 holes or 18 holes) at no cost; there is a cost to rent a cart. More information about the course and daily fee rates can be found at *wiu.edu/student_services/golf_course/*.

Women's Center
Multicultural Center, Suite 209; (309) 298-2242
wiu.edu/wc

The Women's Center supports a welcoming and gender-inclusive campus community. We advocate for gender equity through examinations of feminisms, sexism, patriarchy, and misogyny. We promote opportunities to celebrate women, collaborate in programming and outreach, and seek unity and understanding. Come be part of our events like Love Your Body Day, Take Back the Night Week, Wednesdays with the Women's Center, and Women's History Month programming celebrated in March. For additional information, please visit *wiu.edu/wc*.

Administration, Faculty, and Professional Staff

Trustees of the University.....403

Officers of the University.....403

Faculty and Professional Staff 404–416

Trustees of the University

Polly Radosh, Good Hope (Chair)
Carin Stutz, Chicago (Vice Chair)
Erika Lowe Mullins, Chicago (Secretary)
Jose Alba, Sycamore
Kirk Dillard, Hinsdale
Bradley Jenkins, Chicago (Student Member)
Nancy Paridy, Evanston

Officers of the University

President ..... Dr. Kristi S. Mindrup
Provost and Academic Vice President ..... Dr. Mark A. Mossman
- Interim Dean, College of Humanities, Arts, Sciences, and Education ..... Dr. Kyle R. Mayborn
- Dean, College of Business, Health, and Community Programs ..... Dr. Tara N. Feld
- Dean, University Libraries ..... Dr. Hector J. Maymi-Sugranes
- Dean, Innovation and Economic Development ..... Dr. Christopher D. Merrett

Vice President for Student Success ..... Dr. Justin L. Schuch
Vice President for Finance and Administration ..... Ms. Ketra M. Roselieb

Adamson, Audrey N. (2023)
Executive Director—Outreach and Quad Cities Campus Operations
M.S.Ed.—Western Illinois University (2001)

Adkins Covert, Tawnya J. (2000)
Associate Dean—College of Humanities, Arts, Sciences, and Education
Professor—Social Sciences
Ph.D.—Purdue University Main Campus (2001)

Afitlhile, Meshack (2009)
Professor—Natural Sciences
Ph.D.—University of Kentucky (2001)

Albarracin, Julia (2005)
Professor—Social Sciences
Ph.D.—University of Florida (2004)

Alexander, Dean C. (2005)
Professor—Law Enforcement and Justice Administration
L.L.M.—Georgetown University (1991)

Alexander-Albritton, Carrie (2008)
Professor—Applied Clinical, Educational, and Professional Programs—Quad Cities
Ph.D.—Idaho State University (2008)

Allahyari, Elahe (2024)
Assistant Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Western Michigan University (2024)

Allison, Keri Leann (2011)
Academic Advisor—General Studies
M.S.—Western Illinois University (2004)

Allison, Marjorie C. (1994)
Professor—Humanities
Ph.D.—University of Minnesota-Twin Cities (1994)

Allwardt, Debra (2006)
Professor—Applied Clinical, Educational, and Professional Programs
Ph.D.—University of Nebraska-Lincoln (2008)

Alveshere, Andrea J. (2013)
Associate Professor—Social Sciences
Ph.D.—University of Minnesota-Twin Cities (2012)

Ames, Aaron D. (2024)
Instructor—Visual and Performing Arts
D.M.A.—University of Illinois at Urbana-Champaign (2025)

Andrango, Graciela C. (2017)
Associate Professor—Agriculture
Ph.D.—Kansas State University (2016)

Andreev, Fedor (2001)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Russian Academy of Sciences (1997)

Asare, Edmund (2011)
Associate Professor—Humanities
Ph.D.—Kent State University Main Campus (2011)

Ashe, Whitney E. (2018)
Assistant Professor—Visual and Performing Arts
M.M.—University of Illinois at Urbana-Champaign (2017)

Atherton, Daniel L. (2015)
Associate Professor—Agriculture
Ph.D.—Southern Illinois University (2015)

Athiyaman, Adee (2006)
Professor—Illinois Institute for Rural Affairs
Ph.D.—Hong Kong Polytechnic (1997)

Averbeck, Josh M. (2012)
Professor—Communication, Media, and Experience Industries
Ph.D.—University of Oklahoma (2011)

Babu, Panakkattu K. (2008)
Professor—Natural Sciences
Ph.D.—Indian Institute of Science (1995)

Bacon, Kevin J. (2002)
Professor—Agriculture
Ph.D.—Oklahoma State University Main Campus (1995)

Bailey, C. Suzanne (1998)
Associate Professor—Law Enforcement and Justice Administration—Quad Cities
J.D.—Thomas M. Cooley Law School (1981)

Bainter, Tiffany E. (2011)
Associate Professor—Social Sciences
Ph.D.—Northcentral University (2018)

Baker, Andrea C. (2023)
Assistant Professor—Visual and Performing Arts
D.M.A.—University of Cincinnati Main Campus (2021)

Baker-Sperry, Lori (1999)
Associate Provost and Associate Vice President for Undergraduate Programs
Professor—Humanities
Ph.D.—Purdue University Main Campus (2001)

Baldi, Gregory (2010)
Professor and Director—Social Sciences
Ph.D.—Georgetown University (2010)

Balk, Matthew John (2025)
Assistant Professor—Humanities
Ph.D.—Ball State University (2016)

Banash, David (2003)
Professor—Humanities
Ph.D.—University of Iowa (2003)

Baramidze, Gregory T. (2009)
Associate Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of Georgia (2017)

Baramidze, Victoria (2005)
Professor and Director—Computing, Data, and Mathematical Sciences
Ph.D.—University of Georgia (2005)

Barclay, Daniel M. (2010)
Assistant Professor—Humanities
Ph.D.—University of Minnesota-Twin Cities (2001)

Barclay, Kristen K. (2022)
Coordinator, University Field and Clinical Experience—Office of Teacher Education
M.S.Ed.—Western Illinois University (2013)

Barrientos, Audrey R. (2008)
Counselor—Admissions
M.A.—Wayne State University (2008)

Bartlett, Cheryl Lynn (2009)
Associate Instructor—Nursing, Applied Health, and Human Performance
M.S.N.—St. Francis College of Nursing (2008)

Baum, Gary (2025)
Assistant Professor—Law Enforcement and Justice Administration
M.S.Ed.—Northern Illinois University (2000)

Beaird, Khloe (2024)
Supervision Field Specialist—Office of Teacher Education
M.S.Ed.—Western Illinois University (2013)

Bean, Matt (2000)
Professor—Visual and Performing Arts
D.M.A.—Indiana University at Bloomington (1991)

Beck, Matthew Jon (2014)
Associate Professor—Applied Clinical, Educational, and Professional Programs—Quad Cities
Ph.D.—University of Iowa (2017)

Bellott, Brian J. (2012)
Professor—Natural Sciences
Ph.D.—University of Illinois at Urbana-Champaign (2010)

Bergeson, Amanda May (2018)
Director of Development—WQPT Public Television
B.S.—Western Illinois University (2005)

Bezold, Maureen P. (2010)
Associate Professor—Nursing, Applied Health, and Human Performance
Ph.D.—Virginia Polytechnic Institute and State University (1997)

Biamonte, Jennifer (2024)
Supervision Field Specialist—Office of Teacher Education
M.A.Ed.—Aurora University (2018)

Bideshi, Davison (2008)
Professor—Social Sciences
Ph.D.—University of California-Riverside (2004)

Bird, Abigail (2025)
Athletic Trainer—Intercollegiate Athletics
M.S.—Carroll University (2025)

Bitner, Christopher E. (2017)
Associate Professor—Law Enforcement and Justice Administration
D.P.A.—University of Illinois–Springfield (2013)

Blaesing, Michael (2025)
Director, Development—Foundation and Development Office
B.A.—Monmouth College (1996)

Blankenship, Matthew R. (1999)
Professor—Social Sciences
Ph.D.—Indiana University at Bloomington (2001)

Boeckelman, Keith A. (1998)
Associate Dean—College of Humanities, Arts, Sciences, and Education
Professor—Social Sciences
Ph.D.—University of Illinois at Urbana-Champaign (1990)

Bonner, Caleb Rashon (2023)
Assistant Football Coach—Intercollegiate Athletics
B.S.—Arkansas State University (2020)

Bories, Tamara L. (2005)
Professor—Nursing, Applied Health, and Human Performance
Ph.D.—University of North Carolina at Greensboro (2004)

Borrowman, Adam J. (2025)
Lead Teacher—Infant and Preschool Center
B.S.Ed.—Western Illinois University (2022)

Boudreau, Michael Chad (2023)
Men's Head Basketball Coach—Intercollegiate Athletics
B.S.—Southwest Baptist University (1999)

Brines, Julie Ann (2008)
Assistant Professor—Applied Clinical, Educational, and Professional Programs
Ph.D.—Illinois State University (2017)

Brooks, Athena. M. (2021)
Senior Executive Assistant to the President
B.S.—Western Illinois University (2001)

Brown, Daniel H. (2010)
Associate Professor—Humanities
Ph.D.—University of California-Los Angeles (2010)

Brown-Edwards, Tammie Leigh (2022)
Academic Advisor—First Year Advising Center
M.S.—Western Illinois University (2025)

Buchanan, Rebekah Joy (2011)
Professor—Humanities
Ph.D.—Temple University Main Campus (2009)

Burke, Amy R. (2010)
Senior Instructor—Applied Clinical, Educational, and Professional Programs
M.S.—Western Illinois University (1990)

Burton, Anne M. (2026)
General Counsel Attorney—Legal Services
J.D.— Indiana University at Bloomington (1997)

Butcher, Jessica J. (2021)
Director, Student Life—University Housing and Dining Services
M.S.—Western Illinois University (1996)

Caldwell-Conner, Cameron R. (2025)
Associate Director of Athletics—Intercollegiate Athletics
M.S.—Missouri Baptist University (2021)

Cangro, Richard M. (2008)
Professor—Visual and Performing Arts
Ph.D.—University of Hartford (2004)

Caraway, Joshua (2024)
Assistant Football Coach—Intercollegiate Athletics
M.Ed.—Midland University Main Campus (2016)

Carr, Amy Renee (2000)
Professor—Humanities
Ph.D.—University of Chicago (2004)

Caudill, Thomas Jeffrey (2023)
Counselor—University Counseling Center
M.S.—Western Illinois University (2015)

Chakravorti, Samit (2006)
Professor—Accounting and Business Administration
Ph.D.—Florida International University (2006)

Chamberlin, Ute Elisabeth (2008)
Associate Professor—Humanities
Ph.D.—Arizona State University (2007)

Chang, Gordon C. (2010)
Professor—Social Sciences
Ph.D.—University of California-San Diego (2008)

Chapla, Daniel J. (2019)
Women's Associate Basketball Coach—Intercollegiate Athletics
M.S.—University of Central Missouri (2002)

Chasteen, Terry L. (2000)
Professor—Visual and Performing Arts
M.M.—Indiana University at Bloomington (1992)

Chavez, Melissa Jean (2025)
Instructor—Visual and Performing Arts
D.M.A.—Shenandoah University (2015)

Chen, Mai-Lei (2012)
Senior Instructor—Natural Sciences
Ph.D.— University of Southampton (1994)

Chiang, Po-Chuan (2015)
Staff Accompanist—Visual and Performing Arts
D.M.A.—University of Illinois at Urbana-Champaign (2017)

Chin, Hong-Da (2018)
Associate Professor—Visual and Performing Arts
D.A.—Bowling Green State University (2017)

Choi, Jongnam (2001)
Professor—Natural Sciences
Ph.D.—University of Georgia (2001)

Cobb, Judith (2024)
Equal Opportunity Officer—Equal Opportunity and Access
M.S.—Western Illinois University (2024)

Cole, Merrill (2007)
Professor—Humanities
Ph.D.—University of Washington (1999)

Cole, Peter (2000)
Professor—Humanities
Ph.D.—Georgetown University (1997)

Comrie, Angela D. (2007)
Academic Advisor—General Studies
M.S.Ed.—Illinois State University (2005)

Connor, Joshua (2023)
Instructor—Applied Clinical, Educational, and Professional Programs
M.S.W.— Saint Louis University (2017)

Cooper, Ranessa L. (2018)
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Ph.D.—University of Alberta (2001)

Cox, Julie L. (2012)
Associate Professor—Applied Clinical, Educational, and Professional Programs
Ph.D.—Western Michigan University (2018)

Crosby, Amy L. (2009)
Director—Sponsored Projects
M.S.—Western Illinois University (2017)

Cruise, Tracy K. (1998)
Professor—Social Sciences
Ph.D.—Illinois State University (1998)

Curless, Julie L. (2018)
Associate Instructor—Applied Clinical, Educational, and Professional Programs
M.S.—Eastern Illinois University (2009)

Dace, Marsha J. (2006)
Counselor—University Counseling Center
M.S.Ed.—Western Illinois University (1991)

Dadello, Cynthia (2006)
Academic Advisor
M.S.W.—University of Illinois at Urbana-Champaign (2003)

Daly, Kassandra J. (2010)
Associate Director—Admissions—Quad Cities
M.Ed.—University of Illinois at Urbana-Champaign (2009)

Daugherty, Glenn Richard (2014)
Associate Professor—Law Enforcement and Justice Administration
Ed.D.—University of Phoenix (2017)

Davis, Christina (2012)
Professor—Social Sciences
Ph.D.—University of Michigan-Ann Arbor (2011)

Davis, Joseph Howell (2023)
Head Football Coach—Intercollegiate Athletics
M.A.—Wayne State University (2005)

Davis, Naomi (2025)
Instructor—Visual and Performing Arts
M.A.—University of Iowa (2024)

Davis, Terry (2023)
Head Baseball Coach—Intercollegiate Athletics
B.S.—St. Catharine College (2013)

Daytner, Gary Thomas (2001)
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Ph.D.—Indiana University at Bloomington (2005)

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Ph.D.—Indiana University at Bloomington (2003)

De Paula Silva, Mariana (2026)
Head Volleyball Coach—Intercollegiate Athletics
M.P.S.—Valdosta State University (2019)

Delany-Barmann, Gloria A. (1997)
Professor—Education
Ed.D.—Northern Arizona University (1997)

Determan, John J. (2014)
Associate Professor—Natural Sciences
Ph.D.—University of North Texas (2011)

DeVolder, Allison Marie (2023)
Academic Advisor—College of Business, Health, and Community Programs
M.S.—Western Illinois University (2023)

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Associate Dean—College of Business, Health, and Community Programs
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Florida State University (1996)

Di Carmine, Roberta (2006)
Professor—Humanities
Ph.D.—University of Oregon Main Campus (2004)

Dimitrov, Rumen D. (2003)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—George Washington University (2002)

Doh, Minsun (2006)
Professor—Communication, Media, and Experience Industries
Ph.D.—Texas A&M University Main Campus (2006)

Donahoo, Andrew Mark (2015)
Director, Foundation Communications/Donor Stewards—Foundation and Development Office
M.S.—Western Illinois University (2011)

Dooley, Daytona J. (2024)
Counselor—Admissions
M.S.—Western Illinois University (2023)

Dorsett, Stephanie (1996)
Academic Advisor—Office of Teacher Education
B.A.—Western Illinois University (1989)

Downing, Patrick G. (2024)
Director of Development—Advancement and Alumni Engagement
B.M.—Western Illinois University (2009)

Downs, Lisa M. (2020)
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D.N.P.—Southern Illinois University Edwardsville (2013)

Dunn, Jessica Rae (2024)
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M.B.A.—Western Illinois University (2004)

Ealy, Clifton F. (2007)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of California-Berkeley (2004)

Eathington, Patricia K. (2009)
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D.N.P.—University of Illinois at Chicago (2013)

Eck, Shelby R. (2013)
Development Research Analyst Specialist—Foundation and Development Office
M.A.—Ashford University (2008)

Edmunds, Amanda R. (2019)
Instructor—Nursing, Applied Health, and Human Performance
M.S.N.—Walden University (2017)

Eidle, Julianna Ariel (2024)
Instructor—Visual and Performing Arts
M.M.—University of Cincinnati Main Campus (2021)

Ekanayake, Amy J. (2009)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Texas Tech University (2009)

Ekanayake Dinesh B. (2009)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Texas Tech University (2009)

Ekici, Niyazi (2018)
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Ph.D.—Rutgers University-Camden (2009)

Elbe, Heidi L. (2016)
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M.S.—Western Illinois University (2003)

Ellis, Solon (2025)
Men's Assistant Basketball Coach—Intercollegiate Athletics

Emmert, Robert P., Jr. (2025)
Director—University Technology
M.S.—Western Illinois University (1999)

Engel, Jeffrey E. (2000)
Associate Professor—Natural Sciences
Ph.D.—University of Iowa (1995)

Ervin, Carl W. (2019)
Equal Opportunity Officer—Human Resources
M.S.—University of Wisconsin–Whitewater (1983)

Evans, Justin M. (2026)
Women's Assistant Soccer Coach—Intercollegiate Athletics
M.S.—Ohio Dominican University (2025)

Fansler, Michael J. (2001)
Professor—Visual and Performing Arts
D.M.Ed.—University of Illinois at Urbana-Champaign (2009)

Feld, Tara Nussman (1998)
Dean—College of Business, Health, and Community Programs
Associate Professor—Accounting and Business Administration
Ph.D.—University of South Carolina (1998)

Felt, Kathleen A. (2008)
Instructor—Computing, Data, and Mathematical Sciences—Quad Cities
M.S.Ed.—Western Illinois University (2007)

Fietterer, Taylor (2021)
Counselor—Admissions
M.S.—Eastern Illinois University (2015)

Filipink, Richard M. (2006)
Professor—Humanities
Ph.D.—State University of New York at Buffalo (2004)

Finch, Redina Lee (2005)
Professor—Natural Sciences
Ph.D.—University of Illinois at Urbana-Champaign (2003)

Fisler, Leigh Ann (2021)
Associate Professor—Social Sciences
Ph.D.—University of California-Riverside (2014)

Foulk, Stephanie S. (2010)
Director, Radio Development—WIUM
M.A.—Western Illinois University (2003)

Fox, Kaila R. (2015)
Associate Instructor—Nursing, Applied Health, and Human Performance
M.S.N.—Olivet Nazarene University (2015)

Fox, Landon M. (2025)
Assistant Football Coach—Intercollegiate Athletics
M.S.Ed.—University of Dayton (2003)

Fox, Lysa (2012)
Professor—Visual and Performing Arts
M.F.A.—California State University-Long Beach (2010)

Franzoni, Michelle R. (2025)
Director—Center for Best Practices in Early Childhood Education
M.S.Ed.—Western Illinois University (2019)

Frederick, Ashley N. (2021)
Instructor—Nursing, Applied Health, and Human Performance
D.N.P.—St. Francis College of Nursing (2024)

Gabbei, Ritchie C. (1999)
Professor—Education
Ph.D.—University of South Carolina (2002)

Gage, Jeanne C. (2005)
Academic Advisor—School of Education
M.S.Ed.—Northern Illinois University (2000)

Gardner, Jena E. (2018)
Associate Professor—Visual and Performing Arts
D.M.A.—Northwestern University (2018)

Gblerkpor, William Narteh (2023)
Assistant Professor—Social Sciences
Ph.D.—University of Texas at Austin (2017)

George, Binto (1999)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Indian Institute of Science (1999)

George, Sunita (2009)
Professor—Illinois Institute for Rural Affairs
Ph.D.—University of Georgia (1999)

Georges, Michelle Renee (2023)
Director—Budget
M.B.A.—Western Illinois University (2016)

Gersh, Maya (2025)
Counselor—Admissions
B.A.—Western Washington University (2025)

Gillett, Emily (2023)
Director, Development—Foundation and Development Office
B.A.—Western Illinois University (2002)

Gillotti, Nicole S. (2023)
Assistant Professor—Visual and Performing Arts
D.M.A.—University of Illinois at Urbana-Champaign (2020)

Glover, Kristopher A. (2023)
Men's Assistant Basketball Coach—Intercollegiate Athletics
M.B.A.—Western Illinois University (2023)

Gloviczki, Peter Joseph (2022)
Professor—Communication, Media, and Experience Industries
Ph.D.—University of Minnesota-Twin Cities (2012)

Go, Eun (2015)
Associate Professor—Communication, Media, and Experience Industries
Ph.D.—Pennsylvania State University Main Campus (2015)

Gordon, Tamaj (2026)
Assistant Coach, Track and Field/Cross Country—Intercollegiate Athletics
B.S.—Our Lady of the Lake University (2023)

Gottwald, Laura (2026)
Assistant Comptroller—Accounting Office
B.B.—Western Illinois University (2019)

Gravina, James D. (2011)
Women's Head Basketball Coach—Intercollegiate Athletics
M.S.—Emporia State University (2007)

Gravitt, Denise D. (2010)
Professor—Engineering and Technology
Ph.D.—Indiana State University (2004)

Gray, Stephen S. (2000)
Associate Professor and Director—Accounting and Business Administration
D.B.A.—University of Wisconsin–Whitewater (2017)

Grimm, Jennifer K. (2004)
Academic Advisor—Communication, Media, and Experience Industries
M.S.—Western Illinois University (1999)

Gruver, Joel (2007)
Professor—Agriculture
Ph.D.—North Carolina State University (2008)

Gupta, Aastha (2022)
Assistant Professor—Accounting and Business Administration
Ph.D.—Southern Methodist University (2022)

Hall, Greg D. (2003)
Professor—Humanities
Ph.D.—Washington State University (1999)

Hall, Kevin W. (1995)
Professor—Engineering and Technology
Ed.D.—Illinois State University (2005)

Hallinan, Timothy P. (2008)
Assistant Director, Development—Foundation and Development Office
B.A.—Western Illinois University (1995)

Hamilton, Katherine Sue (2022)
Instructor—Applied Clinical, Educational, and Professional Programs
M.S.—Western Illinois University (2013)

Hammersley, Jonathan J. (2012)
Professor—Social Sciences
Ph.D.—Southern Illinois University Carbondale (2010)

Hamner, Everett (2008)
Professor—Humanities—Quad Cities
Ph.D.—University of Iowa (2008)

Hancks, Jeffrey W. (2005)
Interim Director—Academic Initiatives—Quad Cities
Coordinator—General Studies Degree Program
Ed.D.—Northern Illinois University (2011)

Hansen, Elizabeth Ann (2006)
Associate Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of Iowa (2006)

Hanson, Daniel H. (2009)
Instructor—Engineering and Technology—Quad Cities
Ph.D.—University of Iowa (2004)

Harbke, Colin R. (2006)
Professor—Social Sciences
Ph.D.—Washington State University (2007)

Hardeman, Anita (2012)
Professor—Visual and Performing Arts
Ph.D.—University of Western Ontario (2010)

Harden, Laura B. (2016)
Associate Instructor—Nursing, Applied Health, and Human Performance
D.N.P.—Lewis University (2020)

Hartnett, Amelia Fay (2019)
Director, Talent Acquisition—Human Resources
M.B.A.—Western Illinois University (2019)

Hartnett, Niall Denis (2008)
Director, Advising—College of Humanities, Arts, Sciences, and Education
M.S.Ed.—Indiana University at Bloomington (2001)

Hartweg, Kimberly Kay (1997)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of Iowa (2001)

Hasebe, Yuki (2001)
Professor—Education
Ph.D.—University of Illinois at Chicago (2000)

Hawkins, Jason A. (2017)
Associate Professor—Visual and Performing Arts
Ph.D.—University of Illinois at Urbana-Champaign (2018)

Hemenover, Scott H. (2006)
Professor—Social Sciences
Ph.D.—University of Nebraska-Lincoln (1998)

Henderson, Ross G. (2025)
Women's Head Soccer Coach—Intercollegiate Athletics
B.A.—Western Illinois University (2016)

Hennings, Tyler (2006)
Director—University Art Gallery
M.F.A.—Northern Illinois University (2002)

Hoge, Mark D. (2003)
Associate Professor—Agriculture
Ph.D.—Michigan State University (2009)

Holt, Scott Michael (1997)
Professor—Natural Sciences
Ph.D.—Iowa State University (1993)

Hotz, Heather F. (2018)
Director—Illinois Law Enforcement Training and Standards Board Executive Institute
M.A.—Western Illinois University (2005)

House, Steven P. (2016)
Associate Professor—Visual and Performing Arts
M.F.A.—Illinois State University (2011)

Huerta, Miguel (2023)
Director—First Year Advising Center
Ed.D.—California State University Fullerton (2023)

Hughes, Matthew T. (2011)
Associate Professor—Visual and Performing Arts
M.M.—Western Michigan University (1995)

Hum, Sue M. (2004)
Professor—Natural Sciences
Ph.D.—University of Arkansas Fayetteville (2002)

Humes, Haley Denise (2023)
Instructor—Social Sciences
Psy.Sp.—Western Illinois University (2017)

Hunt, Ryan J. (1999)
Associate Professor—Accounting and Business Administration
J.D.—Drake University (1996)

Hunter, Sharon L. (2010)
Associate Instructor—Humanities
M.L.A.S.—Western Illinois University (2013)

Hyde, Andrea M. (2008)
Professor—Education—Quad Cities
Ph.D.—University of Pittsburgh (2007)

Ingles, Dusti M. (2025)
Assistant Professor—Agriculture
Ph.D.—Iowa State University (2025)

Intrieri, Paige Goodwin (1996)
Associate Professor—Social Sciences
Ph.D.—Pennsylvania State University Main Campus (1995)

Intrieri, Robert C. (1998)
Professor—Social Sciences
Ph.D.—University of Southern Mississippi (1987)

Jenkins, Sean E. (2000)
Professor—Natural Sciences
Ph.D.—University of Missouri-Columbia (1997)

Jin, Jin (2009)
Professor—Natural Sciences
Ph.D.—State University of New York at Albany (2006)

Johnson, Jamie Lee (2002)
Professor and Director—Law Enforcement and Justice Administration
Ph.D.—Southern Illinois University Carbondale (2002)

Johnson, Kooten Lancaster (2024)
Men's Head Soccer Coach—Intercollegiate Athletics
B.S.—Western Illinois University (2013)

Johnson, Timothy (2011)
Academic Advisor—First Year Advising Center
M.S.—Western Illinois University (2009)

Jorgensen, Peter F. (1994)
Associate Dean—College of Business, Health, and Community Programs
Professor—Communication, Media, and Experience Industries
Ph.D.—University of Arizona (2000)

Kamminga-Peck, Hadley (2018)
Associate Professor—Visual and Performing Arts
Ph.D.—University of Colorado at Boulder (2015)

Kanauss, Lorri (2002)
Professor—Nursing, Applied Health, and Human Performance
Ph.D.—Walden University (2012)

Kapale, Aparna K. (2026)
Instructor—Natural Sciences
M.S.—Azusa Pacific University (2006)

Kapale, Kishor T. (2007)
Professor—Natural Sciences
Ph.D.—Texas A&M University Main Campus (2002)

Keefe, Kristy (2012)
Professor—Social Sciences
Doctorate—University of Indianapolis (2007)

Keithley, Ember L. (2000)
Academic Advisor—College of Business, Health, and Community Programs
M.B.A.—Western Illinois University (2001)

Kelly, Robert Francis (2019)
Associate Professor—Law Enforcement and Justice Administration
J.D.—Widener University (2005)

Khan, Tahir M. (2023)
Associate Professor—Computing, Data, and Mathematical Sciences
Ph.D.—George Mason University (2017)

Killian, Tammy L. (2014)
Professor and Director—Visual and Performing Arts
M.F.A.—Florida Atlantic University (1999)

Kim, Seongchan (2007)
Professor—Engineering and Technology
Ph.D.—Texas A&M University Main Campus (2006)

Kim, Yeongkwun (2001)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—Illinois Institute of Technology (1996)

King, Jackson R. (2026)
Assistant Football Coach—Intercollegiate Athletics
B.S.N.—St. Augustine College (2016)

Kinkaid, Stephanie M. (2025)
Director, Employee Learning and Engagement—Human Resources
M.S.—Western Illinois University (2017)

Klingler, Samantha J. (2020)
Assistant Vice President—Student Success
M.S.Ed.—Western Illinois University (2013)

Koo, Wanmo (2014)
Associate Professor—Accounting and Business Administration
Ph.D.—University of Tennessee, Knoxville (2014)

Kovacs, Christopher R. (2005)
Professor—Nursing, Applied Health, and Human Performance
Ph.D.—University of North Carolina at Greensboro (2001)

Kozhukhova, Yekaterina (2019)
Instructor—Humanities
M.A.—Western Illinois University (2021)

Kpodo. Freda Akuyo (2024)
Complex Director—University Housing and Dining Services
M.S.Ed.—Northern Illinois University (2024)

Kreczmer, Brandon J. (2022)
Assistant Football Coach—Intercollegiate Athletics
M.S.—Western Illinois University (2012)

Ku, Ta-Teh (2008)
Associate Professor—Visual and Performing Arts
Ph.D.—Indiana University at Bloomington (2009)

Kurasz, Richard M. (2002)
Professor—Visual and Performing Arts
D.M.A.—University of Illinois at Urbana-Champaign (2007)

LaPrad, James Gerard (2003)
Professor and Director—Education
Ph.D.—University of Virginia (2005)

LaFountain, Douglas (2012)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—State University of New York at Buffalo (2010)

LaFrance, T. Casey (2009)
Professor—Social Sciences
Ph.D.—Northern Illinois University (2009)

Land, James W. (2019)
Associate Professor—Visual and Performing Arts
D.M.A.—University of Memphis (2019)

Landowski, Natalie K. (2019)
Assistant Professor—Visual and Performing Arts
D.M.A.—University of Iowa (2018)

Lane, David J. (2003)
Professor—Social Sciences
Ph.D.—Iowa State University (2004)

Laney, Donald J. (2020)
Assistant Professor—Visual and Performing Arts
M.F.A.—University of California-Irvine (2004)

Lauer, Maceio Ilon (2002)
Professor—Communication, Media, and Experience Industries
Ph.D.—University of Georgia (2007)

Lawhorn, Barbara C. (2009)
Associate Professor—Humanities
M.F.A.—Purdue University Main Campus (2000)

Lawson, Sarah Marie (2002)
Registrar
M.S.—Western Illinois University (2007)

Lee, Boh Young (2012)
Professor—Education
Ph.D.—University of Georgia (2012)

Lee, Byoung J. (2000)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of Iowa (2001)

Lee, Hongbok (2002)
Professor—Accounting and Business Administration
Ph.D.—University of Missouri-Columbia (2002)

Lee, In (2001)
Professor—Computing, Data, and Mathematical Sciences
Ph.D.—University of Illinois at Urbana-Champaign (1998)

Lee, Jongho (2005)
Professor—Social Sciences
Ph.D.—Uiversity of Texas at Austin (2000)

Lee, Michelle (2018)
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Ed.D.—Western Illinois University (2016)

Lidaywa, Lora Jean (2021)
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B.S.—University of Illinois at Urbana-Champaign (1998)

Lin, Jessica L. (2009)
Associate Provost and Associate Vice President for Academic Personnel and Budget
Professor—Accounting and Business Administration
Ph.D.—State University of New York at Binghamton (2010)

Lindemann, Dana F. (2006)
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Ph.D.—Washington State University (2003)

Lindquist, Sherry (2012)
Professor—Visual and Performing Arts
Ph.D.—Northwestern University (1995)

Locke, Brian Stuart (2006)
Professor—Visual and Performing Arts
Ph.D.—State University of New York at Stony Brook (2002)

Looney, Alisha A. (2012)
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Lough, Todd Allen (2007)
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Ph.D.—Loyola University Chicago (1998)

Lu, Lu (2022)
Assistant Professor—Accounting and Business Administration
Ph.D.—Temple University Main Campus (2022)

Ludlum, Lisa L. (2010)
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Lukkarinen, Michael D. (2005)
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Ph.D.—University of Illinois at Urbana-Champaign (2008)

Lung, Heidi K. (2022)
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Ph.D.—University of Missouri-St. Louis (2013)

Lytle, Sara M. (2005)
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Malachuck, Daniel S. (2007)
Professor—Humanities
Ph.D.—Rutgers University-New Brunswick Campus (1996)

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Schultz, Theodore (2009)
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Wurth, Erika T. (2005)
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Academic Advising 394
Academic Appeal 60
Academic Calendar ..... Inside Front Cover
Academic Dishonesty 50, 60
Academic Distinction 45
Academic Load 55
Academic Probation 58
Academic Programs, List of 11
Academic Progress 55, 59
Academic Regulations 42
Academic Services 394
Academic Standing 56
Academic Suspension 58
Academic Warning 57
Accountancy
  Major 117
  Minor 247
  School 91
Accounting and Business Administration, School 91
Accreditation 4, 236
Actuarial Science
  Option 179
  School 98
Administration, University 403
Admission
  Administrative 29
  Applicants without a High School Diploma 23
  Art (B.F.A.) 125
  Concurrent Admissions Program (ConAP) 30
  Credit by External Examination 30
  Dual Enrollment High School Students 24
  Freshmen 22
  General Studies Degree Program 29, 166
  High School Course-Specific Requirements 23
  Immunization Policy 31
  Integrated Baccalaureate and Master's Degree Program 57
  International Students 29
  Musical Theatre 193
  New Start Policy 31, 58
  Non-Degree Status 23
  Nursing Major 196
  Nursing Program 195
  Nutrition and Dietetics 199
  Procedures 22
  Reentry 30
  Standards 22
  Student Teaching 241
  Student Transfer Achievement Reform Act (STRA) 28
  Teacher Education Program 238
  Transfer Students 24
  Veterans 29
  Visiting/Guest Students 24
Admission, Costs, Financial Assistance, and Records 21
Advanced Placement
  Biological Sciences 109
  Computer Science 142
  Foreign Languages 162
  Mathematics 99
  Military Science 228, 229
Advertising and Public Relations, Minor 247
Advising
  College of Business, Health, and Community Programs 81
  College of Humanities, Arts, Sciences, and Education 86
  First Year 394
  Pre-Law 233
  School of Education 100
  University 20, 394
African American Studies
  Minor 247
  Option 176
  School 103
Agricultural Business, Option 120
Agricultural Economics, Minor 247
Agricultural Science, Option 120
Agricultural Technology Management, Minor 247
Agriculture
  Major 119
  Minor 248
  School 92
  Teacher Education Option 120
Agronomy, Minor 248
Algorithms and Data Management, Minor 248
Alice L. Kibbe Life Science Station 87
American Sign Language (ASL), Minor 248
Animal Science, Minor 248
Anthropology
  Major 122
  Minor 249
  School 113
App Development, Minor 249
Appeal
  Academic Dishonesty 60
  CAGAS 60
  Grade 60
  Oral English Proficiency 60
  Residency Status 37
  Right 61
  Teacher Education 242
  Withdrawal 61
Applied Artificial Intelligence, Minor 249
Applied Clinical, Educational, and Professional Programs, School 94
Applied Economics
  Major 123
  School 91

Applied Mathematics, Minor....249
Applied Meteorology, Option....184
Applied Music, Option....188
Army Nurse Corps Program....230
Art
  Major....124, 125
  School....115
  Teacher Education Option....126
Art History, Minor....249
Art Studio
  Minor....249
  Option....124, 126
  School....115
Artificial Intelligence, Applied, Minor....249
ASL, Minor....248
Assessment....55
Athletics, Intercollegiate....7
Attendance, Class....55
Audit....32, 48, 50
BCA....6, 87
Beu Health Center....397
Billing System....34
Biochemistry
  Option....138
  School....108
Biology
  Environmental Biology Option....129
  Major....127
  Medical Sciences Option....128
  Microbiology Option....127
  School....108
  Teacher Education Option....128
  Zoology Option....128
Board of Trustees....403
Board (Meal Plan) Rates....33
Botany, Minor....250
Broadcasting and Journalism
  Major....130
  Minor....250
  School....96
Bureau of Cultural Affairs (BCA)....6, 87
Business
  Major....80
  Minor....250
  Sustainable, Minor....270
Business Administration
  Business Analytics Option....134
  Economics Option....134
  Finance Option....135
  Human Resource Management Option....135
  Major....132
  Management Option....135
  Marketing Option....136
  School....91
  Supply Chain Management Option....136
Business Analytics
  Minor....250
  Option....134
  School....91
Business, Health and Community Programs, College....78
Business Credits, Limit on....80
CAGAS....60, 394
Campus Recreation....397
Campus Safety and Security Act (Clery Law)....10
Cannabis and Culture, Minor....250
Career Preparation and Employer Engagement....397
Casa Latina Cultural Center....397
Catalog Use....44
Certification/Licensure Disclosure, Professional....9
Chemistry
  Biochemistry Option....138
  Major....137
  Minor....251
  Pharmacy Option....138
  School....108
  Teacher Education Option....138
Chiropractic, Dual Program....224
Class Attendance....55
Classification of Students....55
Clery Law....10
Clinical Laboratory Science
  Dual Program....223
  Major....140
  School....108
Coaching, Minor....251
Colleges
  Business, Health, and Community Professions....78
  Humanities, Arts, Sciences, and Education....83
Commencement and Issuance of Diploma....45
Communication
  Major....141
  Minor....251
  School....96
Communication, Media, and Experience Industries, School....96
Complaints....7
  Distance Learning....8
  Illinois....8
  Iowa....8
Computer Science
  Major....142
  Minor....251
  School....98
Computer Science Education, Minor....251
Computing, Data, and Mathematical Sciences, School....98

Conceptual Physics, Minor ... 252
Concurrent Admissions Program (ConAP) ... 30
Construction and Facilities Technology, Minor ... 252
Construction Management
  Major ... 145
  School ... 102
Corequisites ... 51
Corrections, Minor ... 252
Council on Admission, Graduation, and Academic Standards (CAGAS) ... 60, 394
Counseling Center ... 398
Course
  Audit ... 32, 50
  Credit ... 51
  Description Index ... 428
  Descriptions ... 274
  Drop ... 34, 50, 61
  Graduate-Level ... 53
  Numbering ... 51
  Prerequisites/Corequisites ... 51
  Proficiency Examinations ... 51
  Repeatable ... 52
  Repeating for Grade Replacement ... 52
  Variable Credit ... 54
  Withdrawal ... 34, 50, 61
Creative Writing
  Minor ... 252
  School ... 103
Credit/Refund Policy ... 34
Credit by External Examination ... 30
Credits, Honor Points, and Grade Point Average ... 48
Criminalistics, Minor ... 253
Cybersecurity
  Major ... 146
  Minor ... 253
  School ... 98
Dance
  Minor ... 253
  School ... 115
Data Science and Statistics
  Option ... 179
  School ... 98
Dean's List ... 48
Declaring a Minor ... 46
Degree Programs, List of ... 11
Dietetics, Nutrition and
  Admission ... 199
  Major ... 199
  School ... 111
Diploma ... 45
Disability Resource Office ... 399
Disclosure, Professional Licensure/ Certification ... 9
Double Major ... 46
Dropped Course ... 34, 50, 61
Dual Degree Programs ... 16, 223
  Clinical Laboratory Science and Medical Technology ... 223
  Engineering ... 223
  Law ... 224
  General Studies and Chiropractic ... 224
Dual Enrollment High School Students, Admission ... 24
Early Childhood Education
  Option ... 153
  School ... 100
Early Warning Notification ... 55
Economics
  Applied, Major ... 123
  Minor ... 253
  Option ... 134
  School ... 91
Education, School ... 100
Educational Records Policy ... 40
Educational Studies
  Major ... 148
  Minor ... 254
  School ... 100
Electrical Engineering
  Major ... 149
  School ... 102
Elementary Education
  Early Childhood Education Option ... 153
  English as a Second Language Education Option ... 153
  Major ... 151
  Multilingual Education Option ... 154
  Option ... 153
  School ... 100
Eligibility to Represent the University ... 56
Emergency Management
  Major ... 155
  Minor ... 254
  Operational, Minor ... 254
  School ... 106
  Tactical, Minor ... 254
Emergency Management—Operational, Minor ... 254
Emergency Management—Tactical, Minor ... 254
Employment, Student ... 39
Engineering
  Dual Program ... 223
  Electrical, Major ... 149
  Mechanical, Major ... 181
  Pre-Professional Program ... 232
  School ... 102
Engineering and Technology, School ... 102
Engineering Physics, Option ... 204

Engineering Technology
Major ... 156
School ... 102
English
Dual Program ... 224
Literature and Language Option ... 157
Major ... 157
Minor ... 255
School ... 103
Teacher Education Option ... 158
English Proficiency Appeal, Oral ... 60
English as a Second Language Education
Option ... 153
School ... 100
Environmental Biology
Option ... 129
School ... 108
Environmental Studies, Minor ... 255
Equal Opportunity and Access ... 9
Event Planning and Management, Minor ... 255
Exercise Science
Major ... 159
School ... 111
Expected Expenses ... 33
Experimental Studies Program ... 225
External Examination, Credit by ... 30
Faculty, List of ... 404
Family Educational Rights and Privacy Act ... 40
Fees ... 32
FERPA ... 40
Film, Minor ... 255
Finance
Minor ... 256
Option ... 135
School ... 91
Financial Aid Office ... 398
Financial Aid, Satisfactory Academic Progress
Policy for ... 59
Financial Assistance ... 38
Fire Administration
Minor ... 256
Option ... 161
Fire Medic, Option ... 161
Fire Protection Services
Fire Administration Option ... 161
Fire Medic Option ... 161
Fire Science Option ... 161
Major ... 160
School ... 106
Fire Science
Minor ... 256
Option ... 161
First Four (First Year Experience) ... 56
First Year Advising Center ... 394
Foreign Languages and Cultures
French Option ... 163
French Teacher Education Option ... 163
Major ... 162
School ... 103
Spanish Option ... 163
Spanish Teacher Education Option ... 163
Forensic Chemistry
Major ... 165
Minor ... 256
School ... 108
Forensic Psychology
Minor ... 256
Option ... 208
School ... 113
Forensic Science, Minor ... 257
Four-Year Guarantees ... 18
French
Minor ... 257
Option ... 163
School ... 103
French Teacher Education
Option ... 163
School ... 103
Full-Time Student ... 56
General Education Curriculum, University ... 68
General Studies
Degree Program ... 18, 29, 166, 226
Dual Program ... 224
Geoenvironment and Planning, Option ... 168
Geographic Information Science
Geoenvironment and Planning Option ... 168
Geospatial Science Option ... 168
Major ... 168
School ... 108
Geographic Information Systems, Minor ... 257
Geography, Minor ... 257
Geospatial Science, Option ... 168
Global Politics, Minor ... 257
Go West Transit ... 398
Golf Course, Harry Mussatto ... 401
Government and Politics, Option ... 206
Grade
Appeal ... 60
Change ... 48
Incomplete ... 48
Pass/Fail ... 49
Permanent ... 49
Replacement ... 52
Transcript ... 33, 50
Grade Point Average
Computation ... 48
Deficiencies ... 57
Graduation Requirement ... 44
Scholarship Requirements ... 56

Grading Policies 48
GradTrac 18, 75
  List of 11, 76
Graduate-Level Courses, Undergraduate Enrollment in 53
Graduate Programs, List of 16
Graduate Studies, School 394
Graduation Requirements
  College of Business, Health, and Community Programs 81
  College of Humanities, Arts, Sciences, and Education 86
  General Studies Degree Program 167
  Mathematics Competency 67
  Multicultural Perspectives 62
  Social Work 215
  University 44
Grants and Loans 38
Graphic Design
  Minor 258
  Option 124, 126
  School 115
Guarantees, Four-Year 18
Guest/Visiting Students 24
Gwendolyn Brooks Cultural Center 398
Harry Mussatto Golf Course 401
Health, Pre-Professional Program 233
Health Center, Beu 397
Health Communication, Minor 258
Health Education and Wellness Office 399
Health Insurance, Student 32, 34
High School Course-Specific Requirements 23
High School Students, Dual Enrollment, Admission 24
History
  Dual Program 224
  Major 170
  Minor 258
  Pre-Law Option 171, 234
  School 103
  Teacher Education Option 171
Homeland Security, Minor 258
Honor Points 48
Honors in the Major
  Graduating with 45
  Program 18, 227
  Semester and Summer Session 48
Honors Scholar 46
Housing, On-Campus 7, 33, 400
Human Resource Management
  Minor 258
  Option 135
  School 91
Humanities, School 103
Humanities, Arts, Sciences, and Education, College 83
Illinois Articulation Initiative (IAI) 26, 426
Immunization Policy 31
Incomplete Grade 48
Individualized Degree Program 18
Industrial Technology, Minor 259
Information Systems
  Major 172
  Minor 259
  School 98
Information Technology, Minor 259
Integrated Baccalaureate and Master's Degrees 19, 57
  List of 11, 19
Intercollegiate Athletics 7
International Business, Minor 259
International Students, Admission 29
International Studies, Minor 260
Jazz Studies, Minor 260
Kibbe Life Science Station 87
Latinx Studies, Minor 261
Law
  Dual Program 224
  Pre-Professional Program 233
Law and Society, Minor 234, 261
Law Enforcement and Justice Administration
  Major 174
  Minor 261
  School 106
Legal Studies, Minor 234, 261
LGBT*QA Resource Center 398
Liberal Arts and Sciences
  African American Studies Option 176
  Major 176
  Paired Minors Option 176
  School 103
Libraries, University 6, 395
Licensure to Teach
  College of Business, Health, and Community Programs 82
  College of Humanities, Arts, Sciences, and Education 86
  Teacher Education 243
Licensure/Certification Disclosure, Professional 9
Limit on Business Credits 80
Literature and Language, Option 157
Majors
  Double 46
  GradTrac 76
  List of 11
Management
  Minor 262
  Option 135
  School 91
Manufacturing Technology, Minor 262

Maps
Macomb Campus....432
WIU–Quad Cities....431
Marketing
Minor....262
Option....136
School....91
Mathematics
Actuarial Science Option....179
Applied, Minor....249
Competency Requirement....67
Data Science and Statistics Option....179
Major....178
Minor....262
School....98
Teacher Education Option....179
MBA, Pre-Professional Program....234
Meal Plan Rates....33
Mechanical Engineering
Major....181
School....102
Medical Sciences
Option....128
School....108
Mental Health, Minor....262
Meteorology
Applied, Option....184
Major....183
Operational, Option....183
School....108
Microbiology
Minor....263
Option....127
School....108
Middle Level Education
Major....185
School....100
Middle Level Literacy Teaching
Minor....263
School....100
Middle Level Mathematics Teaching
Minor....263
School....98
Middle Level Science Teaching
Minor....263
School....108
Middle Level Social Studies Teaching
Minor....264
School....103
Military Science
Advanced Placement....228, 229
Army Nurse Corps Program....230
Commission Requirements....228, 230
Minor....264
Program....228
Reserve Officers' Training Corps (ROTC)....229
Scholarships....38, 230
Minors
Declaring....46
List of....11, 244
Mission, University....5
Multicultural Perspectives Requirement....62
Multilingual Education
Option....154
School....100
Music
Major....187
Minor....264
School....115
Teacher Education Option....191
Music, Applied, Option....188
Music Business
Minor....264
Option....190
Music Therapy, Option....190
Musical Theatre
Admission....193
Major....193
School....115
Natural Resources Conservation, Minor....264
Natural Sciences, School....108
Network Technologies, Minor....265
New Start Policy....31, 58
New Student and Family Programs, Office....399
Nonprofit Administration, Minor....265
Numbering of Courses....51
Nursing
Major....195
School....111
Nursing, Applied Health, and Human Performance, College....111
Nutrition, Minor....265
Nutrition and Dietetics
Admission....199
Major....199
School....111
Nutrition and Foodservice Management
Major....201
School....111
Officers of the University....403
Operational Meteorology, Option....183
Operations Management, Minor....265
Options
Description....46
List of....11
Oral English Proficiency Appeal....60
Overseas Study....231
Paired Minors
Option....176
School....103

Partner Schools....25
Pass/Fail System....49
Penalties for Grade Point Average Deficiencies....57
  Academic Probation....58
  Academic Suspension....58
  Academic Warning....57
Pending Payment Compliance, VA....39
Performance, Option....221
Permanent Grades....49
Pharmacy, Option....138
Philosophy
  Minor....265
  School....103
Physical Education
  Major....202
  School....100
Physics
  Conceptual, Minor....252
  Engineering Physics Option....204
  Major....203
  Minor....266
  School....108
  Teacher Education Option....204
Placement, Advanced
  Biological Sciences....109
  Computer Science....142
  Foreign Languages....162
  Mathematics....99
  Military Science....228, 229
Plant Breeding, Minor....266
Policies
  Credit/Refund....34
  Educational Records....40
  Grading....48
  Immunization....31
  New Start....31, 58
  Refund....34
  Religious Observance....10
  Satisfactory Academic Progress for Financial Aid....59
Political Science
  Dual Program....224
  Government and Politics Option....206
  Major....206
  Minor....266
  Pre-Law Option....207, 234
  School....113
Post-Baccalaureate Certificates, List of....17
Pre-Law
  Advising....233
  History Option....171, 234
  Political Science Option....207, 234
  Pre-Professional Program....233
Pre-MBA, Minor....234, 266
Pre-Professional Programs
  List of....15
  Pre-Engineering....232
  Pre-Health....233
  Pre-Law....233
  Pre-MBA....234, 266
  Pre-Veterinary Medicine....235
Precision Agriculture, Minor....267
Prerequisites/Corequisites....51
Probation, Academic....58
Production/Design, Option....221
Professional Licensure/Certification Disclosure....9
Professional Staff, List of....404
Professional Writing
  Minor....267
  School....103
Proficiency Examination
  Biological Sciences....109
  Credit by External Examination....30
  English....105, 157
  General Education....71
  Mathematics....99
  Regulations....51
Psychology
  Forensic Psychology Option....208
  Major....208
  Minor....267
  School....113
Public Administration and Public Service, Minor....267
Public Health
  Major....210
  School....111
Public Relations
  Major....212
  School....96
Quad Cities Campus....7, 395
Queer Studies, Minor....267
Recreation Management, Option....213
Recreation, Sport, and Tourism Administration
  Major....213
  Minor....268
  Recreation Management option....213
  School....96
  Sport Management option....214
  Tourism and Event Management option....214
Reentry to the University....30
Refund Policy....34
Registrar....394
Reinstatement Following Academic Suspension....58
Religious Observance Policy....10
Religious Studies, Minor....268
Repeatable Courses....52
Repeating a Course for Grade Replacement....52

Replacement, Grade 52
Representing the University, Eligibility 56
Reserve Officers' Training Corps (ROTC) 229
Residency Requirement 44
Residency Status 35
Responsibility, Student 59
Right of Academic Appeal 61
Room and Meal Plan Rates 33
Satisfactory Academic Progress Policy for Financial Aid 59
Scholarship Requirements 56
Scholarships 38, 230
Schools, Academic 90
  Accounting and Business Administration 91
  Agriculture 92
  Applied Clinical, Educational, and Professional Programs 94
  Communication, Media, and Experience Industries 96
  Computing, Data, and Mathematical Sciences 98
  Education 100
  Engineering and Technology 102
  Humanities 103
  Law Enforcement and Justice Administration 106
  Natural Sciences 108
  Nursing, Applied Health, and Human Performance 111
  Social Sciences 113
  Visual and Performing Arts 115
Second Baccalaureate Degree 46
Security Administration, Minor 268
Semester and Summer Session Honors 48
Senior Citizen Tuition Waivers 39
Sign Language, American, Minor 248
Social Media, Minor 268
Social Sciences, School 113
Social Work
  Major 215
  School 94
Sociology
  Major 217
  Minor 268
  School 113
Spanish
  Minor 269
  Option 163
  School 103
Spanish Teacher Education
  Option 163
  School 103
Special Education
  Major 218
  School 100
Speech Language Pathology Assistant, Option 220
Speech Pathology and Audiology
  Major 220
  School 94
  Speech Language Pathology Assistant Option 220
Sport Management
  Minor 269
  Option 214
  School 96
Sports Broadcasting, Minor 269
Stage Combat, Minor 269
Standing, Academic 56
Student Academic Progress 55
Student Classification 55
Student Development and Success Center 399
Student Development Office 399
Student Employment 39
Student Engagement Office 399
Student Health Insurance 32, 34
Student Responsibility 59
Student Right-to-Know 10
Student Rights and Responsibilities, Office 400
Student Services 397
Student Teaching 241
Student Transfer Achievement Reform Act (STRA) 28
Study Abroad 20
Supply Chain Management
  Minor 269
  Option 136
  School 91
Suspension, Academic 58
Sustainable Business, Minor 270
Teacher Education
  Accreditation 236
  Admission and Continuation 238
  Appeals 242
  Approved Programs 237
  Clinical Experience 241
  Field Experiences 240
  Licensure 243
  Office 236
  Pre-Clinical Field Experiences 241
  Program 236
  Programs, List of 11, 237
  Student Teaching 241
Teacher Education Programs
  Agriculture, Teacher Education Option 120
  Art, Teacher Education Option 126
  Biology, Teacher Education Option 128
  Chemistry, Teacher Education Option 138
  Computer Science Education, Minor 251
  Early Childhood Education, Option 153
  Elementary Education, Major/Option 151, 153
  English, Teacher Education Option 158

English as a Second Language Education, Option 153
French Teacher Education, Option 163
History, Teacher Education, Option 171
Mathematics, Teacher Education Option 179
Middle Level Education, Major 185
Middle Level Literacy Teaching, Minor 263
Middle Level Mathematics Teaching, Minor 263
Middle Level Science Teaching, Minor 263
Middle Level Social Studies Teaching, Minor 264
Multilingual Education, Option 154
Music, Teacher Education Option 191
Physical Education, Major 202
Physics, Teacher Education Option 204
Spanish Teacher Education, Option 163
Special Education, Major 218
Teaching English to Speakers of Other Languages (TESOL), Minor 270
Teaching English to Speakers of Other Languages (TESOL)
Minor 270
School 100
Teaching Licensure
College of Business, Health, and Community Programs 82
College of Humanities, Arts, Sciences, and Education 86
Teacher Education 243
Theatre
Major 221
Minor 270
Performance Option 221
Production/Design Option 221
School 115
Total University Withdrawal 35, 50, 61
Tourism and Event Management, Option 214
Transcripts 33, 50
Transfer Pathways 25
Transfer Students
Admission 24
Catalog Use 45
Trustees of the University 403
Tuition and Fees 32
Tuition Guarantee 18
Undergraduate Enrollment in Graduate-Level Courses 53
Undergraduate Programs, List of 11
University Administration 403
University Advising Program 20, 394
University Counseling Center 398
University Fees 32
University General Education Curriculum 68
University Graduation Requirements 44
University Housing and Dining Services 7, 33, 400
University Libraries 6, 395
University Technology 7, 395
University Union 400
University Withdrawal 35, 50, 61
University Writing Center 89, 396
VA Pending Payment Compliance 39
Values, University 5
Variable Credit Courses 54
Veterans, Admission 29
Veterans Resource Center 401
Veterinary Medicine, Pre-Professional Program 235
Vision, University 5
Visiting/Guest Students 24
Visual and Performing Arts, School 115
Warning, Academic 57
Weather and Climate, Minor 270
Western Illinois University—Quad Cities 7, 395
WID 59
Withdrawal Credit 34
Withdrawal from Courses or from the University 34, 35, 50, 61
WIU Harry Mussatto Golf Course 401
Women's Center 401
Women's Studies, Minor 270
Writing Center 89, 396
Writing Instruction in the Disciplines (WID) 59
Zoology
Minor 271
Option 128
School 108

IAI/WIU Course Match Index

The following listing shows the WIU courses that match **Illinois Articulation Initiative (IAI) General Education Core Curriculum** course descriptions as of July 1, 2026. The IAI course code and WIU course number and title are provided. Please see the IAI website for a current listing *(itransfer.org/iai)*.

IAI COMMUNICATION

IAI CODE	*WIU MATCH*
C1 900	ENG 180 College Writing I
C1 901R	ENG 280 College Writing II
C2 900	COMM 241 Introduction to Public Speaking

IAI MATHEMATICS

IAI CODE	*WIU MATCH*
M1 900-1	MATH 133 Calculus with Analytic Geometry I
M1 900-2	MATH 134 Calculus with Analytic Geometry II
M1 900-3	MATH 231 Calculus with Analytic Geometry III
M1 902	STAT 171 General Elementary Statistics
M1 903	MATH 206 Mathematics for Elementary Teaching II
M1 904	MATH 101 Concepts of Mathematics
M1 904	MATH 102 Creative Perspectives in Mathematics
M1 905	MATH 255 Discrete Mathematical Structures for Computer Science
M1 907	MATH 123 Modeling with Mathematical Functions

IAI PHYSICAL/LIFE SCIENCES

IAI CODE	*WIU MATCH*
L1 900L	BIOL 100 Biological Concepts
L1 910L	BOT 200 Introduction to Plant Biology
L1 910L	ZOOL 200 Introduction to Animal Biology
P1 900L	PHYS 114 Applied Physics
P1 900L	PHYS 115 Applied Physics
P1 901L	PHYS 100 Physics for Society
P1 902L	CHEM 101 Principles of Chemistry I
P1 903	CHEM 114 Chemistry of Health
P1 903L	CHEM 150 Contemporary Chemistry
P1 905	GEOL 113 Energy and Earth Resources
P1 905	GEOL 115 Oceanography
P1 905L	GEOG 121 Planet Earth: Surface Processes and Interactions
P1 905L	METR 120 Introduction to Weather and Climate
P1 906	PHYS 101 Introduction to Astronomy
P1 907L	GEOL 110 Our Changing Earth
P1 907L	GEOL 112 History of the Earth
P2 900L	PHYS 211 University Physics I
P9 901	ENVR 201 Introduction to Environmental Studies

IAI HUMANITIES/FINE ARTS

IAI CODE	*WIU MATCH*
H1 900	FR 224 Intermediate French II
H1 900	GER 224 Intermediate German II
H1 900	SPAN 224 Intermediate Spanish II
H2 903N	HIST 241 History of Latin America
H2 903N	HIST 245 History of Asia

IAI HUMANITIES/FINE ARTS (continued)

IAI CODE	*WIU MATCH*
H2 904	HIST 105 American History to 1877
H2 905	HIST 106 American History since 1877
H2 906	HIST 115 World History to 1500
H2 907	HIST 116 World History since 1500
H3 900	ENG 195 Introduction to Literature
H3 901	ENG 201 Introduction to Fiction
H3 902	ENG 202 Introduction to Drama
H3 903	ENG 200 Introduction to Poetry
H3 905	ENG 205 Introduction to Shakespeare
H3 906	ENG 353 Great Books
H3 908N	ENG 358 Studies in Non-Western Literature
H3 911D	ENG/WS 301 Women and Literature
H3 916	FR 327 Introduction to French Literature
H3 916	GER 327 Introduction to German Literature
H3 916	SPAN 327 Introduction to Hispanic Literature
H3 917	FR 328 Masterpieces of French Literature
H3 917	SPAN 328 Masterpieces of Spanish Literature
H4 900	PHIL 100 Introduction to Philosophy
H4 904	PHIL 120 Contemporary Moral Problems
H4 906	PHIL 140 Logic and Reasoning
H4 907	PHIL 205 Philosophy, Law and Society
H5 900	REL 101 Religion and Popular Culture
H5 901	REL 107 The Bible
H5 901	REL 111 Introduction to Western Religions
H5 904N	REL 100 World Religions
H9 901	ANTH/REL 225 Myth and Ritual
F1 900	MUS 190 What to Listen for in Music
F1 903N	MUS 394 Music in World Cultures
F1 904	MUS 195 American Popular Music
F1 906	DAN 382 Dance History and Philosophy
F1 907	THEA 110 Introduction to the Theatre
F1 913	MUS 196 Music in the Rock Era
F1 913	MUS 197 American Country Music
F1 913	MUS 198 K-Pop, J-Pop, and C-Pop
F2 900	ARTH 180 An Introduction to Art
F2 901	ARTH 282 History of World Art: to 1400
F2 902	ARTH 283 History of World Art: 1400–1900
F2 908	BC&J/ENG 290 Introduction to Film

IAI SOCIAL/BEHAVIORAL SCIENCES

IAI CODE	*WIU MATCH*
S1 901N	ANTH 110 Introduction to Cultural Anthropology
S1 902	ANTH 111 Introduction to Physical Anthropology and Archaeology
S3 900	ECON 100 Introduction to Economics
S3 901	ECON 231 Principles of Macroeconomics
S3 902	ECON 232 Principles of Microeconomics
S4 900N	GEOG 100 Introduction to Human Geography
S4 906	GEOG 110 World Regional Geography
S5 900	POLS 122 American Government and Politics
S5 902	POLS 223 State Government and Politics

IAI SOCIAL/BEHAVIORAL SCIENCES (continued)

IAI CODE	*WIU MATCH*
S5 903	POLS 101 Introduction to Political Science
S5 904	POLS 228 Fundamentals of International Relations
S5 905	POLS 267 Introduction to Comparative Government and Politics
S6 900	PSY 100 Introductory Psychology
S6 902	EDS 121 Introduction to Life Span Development
S6 903	PSY 221 Psychology of Child Development

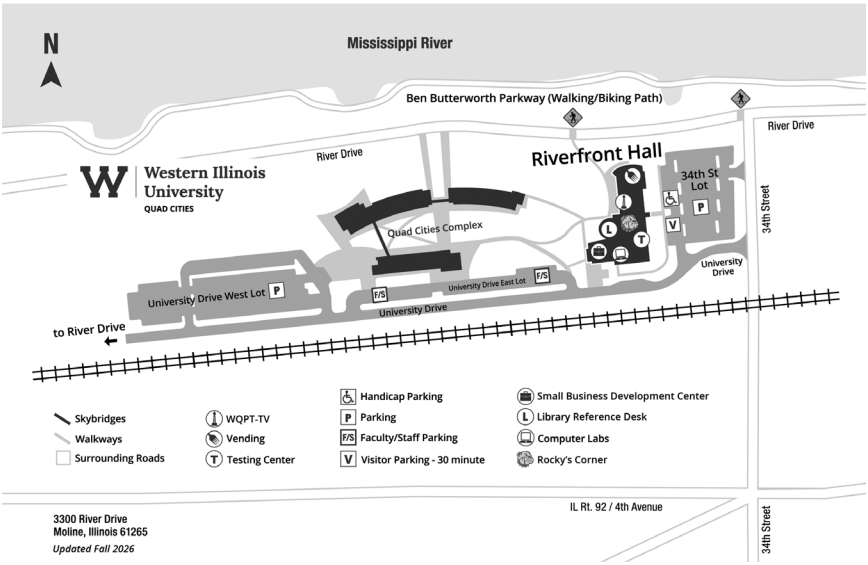
IAI SOCIAL/BEHAVIORAL SCIENCES (continued)

IAI CODE	*WIU MATCH*
S7 900	SOC 100 Introduction to Sociology
S7 901	SOC 200 Contemporary Social Problems
S7 903D	SOC 300 Minority Peoples
S8 900	PSY 250 Human Social Behavior
S9 900	AAS 100 Introduction to African American Studies
S9 900	RSTA 110 Concepts of Leisure
S9 900	WS 190 Introduction to Women's Studies

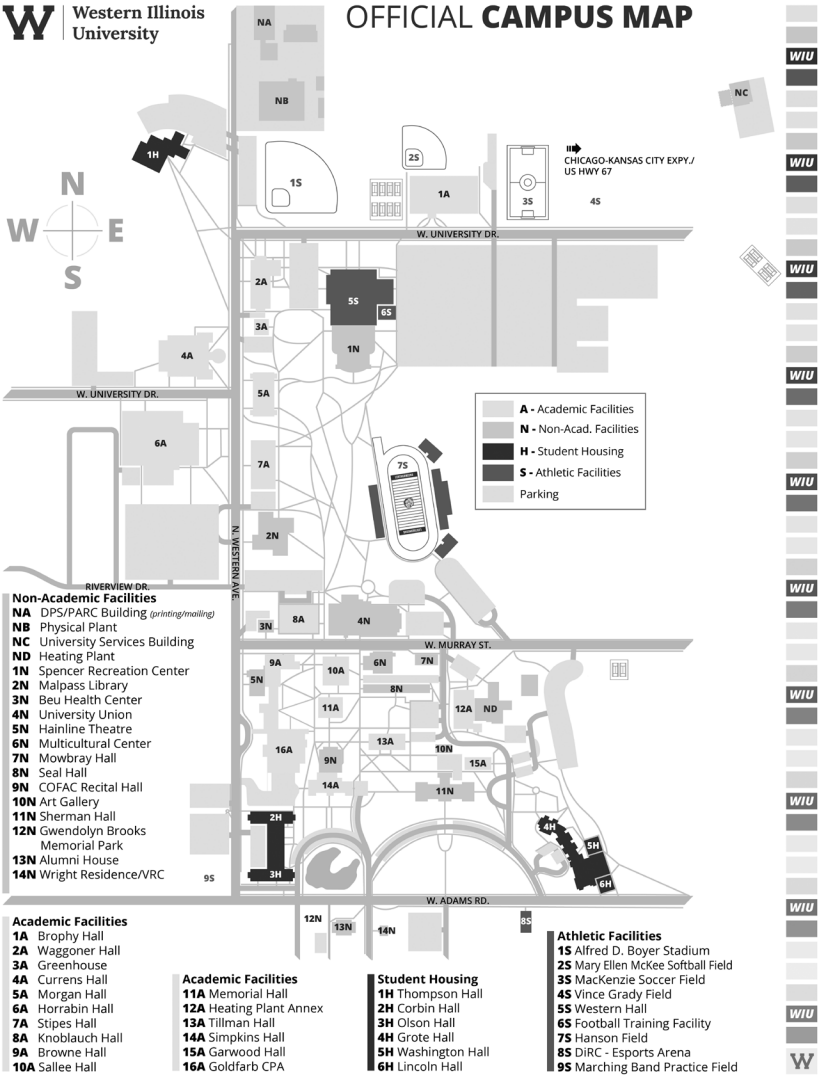
WIU Course Description Index

Accounting (ACCT) 274
African American Studies (AAS) 275
Aging Studies (AGE) 276
Agricultural Economics (AGEC) 277
Agricultural Education (AGED) 277
Agricultural Technology Management (AGTM) 277
Agriculture (AGRI) 278
Agronomy (AGRN) 278
Animal Science (ANSC) 279
Anthropology (ANTH) 280
Art Education (ARTE) 282
Art History (ARTH) 282
Art Studio (ARTS) 283
Arts and Sciences (A&S) 286
Biology (BIOL) 286
Botany (BOT) 288
Broadcasting and Journalism (BC&J) 289
Business and Technology (BAT) 292
Business Communication (BCOM) 292
Business Law (B L) 292
Chemistry (CHEM) 293
Clinical Laboratory Science (CLS) 296
College Student Personnel (CSP) 296
Communication (COMM) 296
Computer Science (CS) 299
Conservation (CONS) 301
Construction Management (CSTM) 301
Counselor Education (CN) 303
Curriculum and Instruction (C&I) 303
Cybersecurity (CSEC) 303
Dance (DAN) 304
Decision Sciences (DS) 305
Early Childhood (ECH) 306
Economics (ECON) 307
Education (EDUC) 309
Educational Studies (EDS) 309
Elementary Education (ELED) 311
Emergency Management (EM) 311
Engineering (ENGR) 313
Engineering Technology (ET) 316
English (ENG) 318
Environmental Studies (ENVR) 322
Experimental Studies (All) 322
Finance (FIN) 322
Fire Service (FS) 323
Foreign Language (F L) 325
Forestry (FOR) 325
French (FR) 325
Geographic Information Science (GIS) 326
Geography (GEOG) 327
Geology (GEOL) 328
German (GER) 329
Health (HLTH) 330
History (HIST) 332
Horticulture (HORT) 335
Hospitality Management (HM) 335
Human Resource Management (HRM) 335
Information Systems (IS) 336
International Agriculture (INAG) 337
Kinesiology (KIN) 337
Language Arts (LA) 340
Law Enforcement and Justice Administration (LEJA) 341
Liberal Arts and Sciences (LAS) 344
Management (MGT) 344
Marketing (MKTG) 345
Mathematics (MATH) 346
Meteorology (METR) 349
Microbiology (MICR) 350
Military Science (MS) 351
Music (MUS) 351
Nursing (NURS) 357
Nutrition (NUTR) 359
Operations Management (OM) 360
Overseas Study (All/OVST) 360
Philosophy (PHIL) 361
Physical Education Teacher Education (PETE) 362
Physics (PHYS) 363
Political Science (POLS) 366
Portuguese (PORT) 369
Psychology (PSY) 369
Queer Studies (QS) 371
Recreation, Sport, and Tourism Administration (RSTA) 372
Religious Studies (REL) 375
Science Education (SCED) 376
Social Studies Education (SSED) 376
Social Work (SW) 377
Sociology (SOC) 378
Spanish (SPAN) 380
Special Education (SPED) 381
Speech Pathology and Audiology (SPA) 383
Statistics (STAT) 384
Student Teaching (STCH) 385
Supply Chain Management (SCM) 385
Theatre (THEA) 386
University (UNIV) 389
Women's Studies (WS) 389
Zoology (ZOOL) 391

Notes


N
Mississippi River
Ben Butterworth Parkway (Walking/Biking Path)
River Drive
Western Illinois University
QUAD CITIES
River Drive
Riverfront Hall
34th St Lot
Quad Cities Complex
34th Street
University Drive
University Drive West Lot
University Drive East Lot
University Drive
to River Drive
Skybridges
Walkways
Surrounding Roads
WQPT-TV
Vending
Testing Center
Handicap Parking
Parking
Faculty/Staff Parking
Visitor Parking - 30 minute
Small Business Development Center
Library Reference Desk
Computer Labs
Rocky's Corner
IL Rt. 92 / 4th Avenue
34th Street
3300 River Drive
Moline, Illinois 61265
Updated Fall 2026

Macomb Campus Map



For More Information

Inquiries about Western Illinois University are welcome. Please direct all inquiries to the appropriate departments listed below:

Western Illinois University
1 University Circle
Macomb, IL 61455-1390

Telephone: (309) 298-1414
Text Telephone: (309) 298-4444
Web Site: *wiu.edu*

Admissions ..... (309) 298-3157

Advising ..... (309) 298-1871

Beu Health Center ..... (309) 298-1888

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Counseling Center ..... (309) 298-2453

Disability Resource Office ..... (309) 298-1884

Financial Aid ..... (309) 298-2446

Graduate Studies ..... (309) 298-1806

Housing and Dining Services ..... (309) 298-3000

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Registrar ..... (309) 298-1891

Scholarships ..... (309) 298-2001

Study Abroad ..... (309) 298-2504

Veterans Resource Center ..... (309) 298-3505

WIU—Quad Cities, Moline, IL ..... (309) 762-9481

WIU Switchboard ..... (309) 298-1414

Deans' Offices

College of Business, Health, and Community Programs ..... (309) 298-2442
College of Humanities, Arts, Sciences, and Education ..... (309) 298-1828
Innovation and Economic Development ..... (309) 298-2281
University Libraries ..... (309) 298-2705

Academic Schools

Accounting and Business Administration ..... (309) 298-1152
Agriculture ..... (309) 298-1080
Applied Clinical, Educational, and Professional Programs ..... (309) 298-1955
Communication, Media, and Experience Industries ..... (309) 298-1967
Computing, Data, and Mathematical Sciences ..... (309) 298-1452
Education ..... (309) 298-1183
Engineering and Technology
Macomb Campus ..... (309) 298-1091
Quad Cities Campus ..... (309) 762-9481
Humanities ..... (309) 298-1053
Law Enforcement and Justice Administration ..... (309) 298-1038
Natural Sciences ..... (309) 298-1648
Nursing, Applied Health, and Human Performance ..... (309) 298-2571
Social Sciences ..... (309) 298-1055
Visual and Performing Arts ..... (309) 298-1618