

UNIVERSITY of MOUNT UNION

2026 - 2027 UNDERGRADUATE CATALOG

UNIVERSITY of MOUNT UNION

Be Exceptional

The mission of the University of Mount Union is to prepare students for fulfilling lives, meaningful work, and responsible citizenship.

UNIVERSITY OF MOUNT UNION

University of Mount Union Undergraduate Catalog

Academic Year 2026-2027

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UNIVERSITY of MOUNT UNION

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The Catalog

UNIVERSITY OF MOUNT UNION

The Catalog

The University of Mount Union reserves the right to change policies, regulations, courses and fees at any time after the publication of this Catalog.

The provisions of this Catalog do not constitute a contract. The Mount Union Catalog in effect at the time of a student's admission to the University shall generally govern such student's degree requirements, although changes in University requirements may necessitate changes in the affected areas. The Catalog simply reflects the policies in effect at the time of publication and does not guarantee that course offerings, requirements, or policies will not change. All provisions of the Catalog can be changed at any time, without notice.

Students who experience a period of non-enrollment from the University may be expected to meet the requirements in effect at the time of re-enrollment.

Each student has the responsibility to be aware of and to meet the Catalog requirements for graduation, and to adhere to all policies, procedures, regulations and deadlines published in this Catalog and in the Student Handbook. Failure to read and comply with the policies, procedures, regulations and deadlines will not exempt a student from being governed by and accountable to them.

It is the policy of the University of Mount Union not to discriminate on the basis of race, sex, sexual orientation, religion, age, color, creed, national or ethnic origin, marital or parental status, or disability in student admissions, financial aid, educational or athletic programs, or employment as now or may hereafter be required by Title VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Americans With Disabilities Act of 1990, regulations of the Internal Revenue Service, and all other applicable federal, state and local statutes, ordinances and regulations. Inquiries regarding compliance may be directed to (330) 823-2886, Associate Dean of Students, Hoover-Price Campus Center, or to (330) 829-6560, Director of Human Resources and Employee Development, Beeghly Hall.

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UNIVERSITY of MOUNT UNION

Be Exceptional

The University

UNIVERSITY OF MOUNT UNION

The University

Institutional Mission

The mission of the University of Mount Union is to prepare students for fulfilling lives, meaningful work, and responsible citizenship.

I. Fulfilling Lives: Graduates will develop the personal tools needed to stay healthy, curious, and resilient through decades of change.
II. Meaningful Work: Graduates will develop vocations that are deeply satisfying, ethically sound, and contribute positively to their work and community.
III. Responsible Citizenship: Graduates will become informed, ethical, and active participants in their communities and the world, and be prepared to address both local and global challenges.

Learning Goals

To accomplish the mission, the University faculty has established guidelines to help students:

Civic Responsibility and Ethics

- Examine competing values and principles that guide personal, professional, and civic life and decisions to respectfully engage across differences in worldviews, cultures, and beliefs.

Collaboration

- Work effectively with others to achieve shared goals and contribute constructively to group problem-solving and decision-making.

Communication

- Create and deliver clear, purposeful written, spoken, and multimedia messages across personal and professional contexts.

Critical and Creative Thinking

- Synthesize knowledge and skills from multiple areas to analyze problems, evaluate evidence, and respond to evolving challenges.

Purpose and Professionalism

- Apply disciplinary expertise and develop a professional identity promoting lifelong learning.

Technological and Digital Fluency

- Evaluate and use technologies and digital tools with skill, judgment, and ethical awareness to achieve personal and professional objectives.

Wellness and Resilience

- Develop and apply practical skills and self-awareness to foster well-being for lifelong growth.

Heritage Statement

The University of Mount Union has roots in two traditions. The first of these is the Christian tradition as expressed in the American Methodist movement of the 19th Century. An important part of this movement was an effort to advance social progress through the establishment of academically rigorous institutions, which were non-sectarian, as well as racially, ethnically, and gender inclusive. This rich, church-related legacy informs the present spirit in which Mount Union maintains a historical and philosophical relationship with the Methodist tradition and foundational beliefs inherent in the Wesleyan ethos.

The University of Mount Union affirms the spiritual center of all persons and acknowledges the deep impact that spiritual and religious experience has on both cultures and individuals. In light of this, the University takes seriously its dual responsibility to foster the academic study of religious experience and to provide resources that nurture and enrich the spiritual life of our students and all members of the Mount Union community. As a university of higher education, we neither advocate a particular spiritual heritage nor proselytize on behalf of any religious or sectarian orthodoxy.

The other significant tradition of the University of Mount Union is rooted in an historic understanding of the liberal arts. A liberal arts education provides students with a broad base of knowledge in addition to training in a specific field of study. At its heart, a liberal arts course of study does not teach a single point of view but equips and empowers students to form their own conclusions based on critical reasoning. This tradition of learning continues at the University of Mount Union.

These aspects of our heritage reinforce each other in the striving for excellence, concern for the inherent dignity and worth of each individual, and the emphasis on the spiritual as well as the intellectual achievements of humanity. We embrace the global nature of our student body, recognizing that diversity serves as a resource for learning as we develop and prepare our students for "fulfilling lives, meaningful work, and responsible citizenship.

Vision

As a community, the University of Mount Union upholds its mission by continuously and proactively creating a learning environment for holistic growth and a promising future.

Purpose

The University of Mount Union cultivates a learning environment that acknowledges, accepts, and meets differing needs so that everyone is valued, experiences belonging, and achieves their full potential.

Core Values

Belonging: Motivated to foster a sense of community in a family-oriented atmosphere where people feel cared for, respected, and valued. Champions individuality and acceptance while emphasizing acts of service. Cultivates relationships, collaboration, and teamwork. Carries forward a legacy of progress deeply rooted in our history, pride, and mission.

Excellence: Committed to quality in an academic environment with learning and a quest for knowledge at the core. Fuels institutional and personal growth and continuous improvement while striving for innovation. Fosters holistic achievement and academic, athletic, and co-curricular success. Draws confidence from our longevity of institutional and financial stability.

Integrity: Driven to lead and to inspire others to realize their own leadership abilities and potential. Values responsibility, accountability, and ethical decision-making, both as individuals and as an institution. Honors authenticity and transparency. Displays passion, perseverance, and adaptability as we face the challenges of an ever-changing environment.

Welcome Statement

At the University of Mount Union, we welcome, accept, and respect all people. Through the union of various perspectives, we strengthen our community, facilitate global enlightenment, and enable collective self-discovery. As such, we create a greater understanding and acceptance of all people so that we facilitate the development of ideas, ensure the advancement of global perspectives, and embrace inclusiveness for all our constituents. We promote an engaging and collaborative environment that inspires mutual respect and positive interactions that effectively enrich learning and living for our students, faculty, staff, administration, and community.

As members of the University of Mount Union community, we pledge to:

- Acknowledge, respect, honor, and celebrate all members of our campus community.
- Work together to create an environment in which everyone is both welcomed and valued.
- Take these inclusive attitudes with us as we continue our life journeys.

History

The University of Mount Union is the outgrowth of a town meeting held by forward-looking citizens of the village of Mount Union on October 4, 1846. At that time, the people gathered to hear Orville Nelson Hartshorn outline the need for a new institution in the area, where men and women could be educated with equal opportunity, where science would parallel the humanities, where laboratory and experimental subjects would receive proper emphasis, and where there would be no distinction due to race, color, sex or position. On October 20, 1846, this young man organized and taught on the third floor of the "Old Carding Mill" a "select school" of six students.

The school grew rapidly under his inspired leadership and in 1849 became known as "Mount Union Seminary."

In 1853 a "normal department" was added for the training of teachers. On January 9, 1858, the institution was chartered and incorporated under the laws of the State of Ohio as "Mount Union College."

In September 1911, Scio University, located at Scio, Ohio, was united with Mount Union. By the articles of consolidation, the liberal arts alumni of the former institution were made alumni of the latter.

Scio was established in 1857 at Harlem Springs, Ohio, as "The Rural Seminary." In 1867 the school was moved to New Market, where it was known variously as New Market College, the One-Study University, and finally, Scio University in 1878.

For many years Mount Union has claimed the distinction of being one of the first institutions to have a summer school. Started in 1870, this first summer school was actually a fourth term in the school year. Since that time, summer instruction has been offered each year at the institution.

On August 1, 2010, the institution officially became known as the University of Mount Union. The change to a "university" designation was made in an effort to better describe what Mount Union is today and more effectively communicate

all that the institution has to offer. This decision, unanimously approved by the Board of Trustees, came after careful review of data gathered through numerous research efforts and thoughtful consideration and discussion.

From 1846 to present, the administration of the University has been under the leadership of 12 presidents: Orville Nelson Hartshorn, 1846-1887; Tamerlane Pliny Marsh, 1888-1898; Albert Birdsall Riker, 1898-1908; William Henry McMaster 1899, 1908-1938; Charles Burgess Ketcham, 1938-1953; Carl Cluster Bracy, 1954-1967; Ronald Gilbert Weber ’38, 1967-1980; G. Benjamin Lantz Jr., 1980-85; Harold M. Kolenbrander, 1986-2000; John L. Ewing Jr. 2000-2005; Richard F. Giese, 2005-2015; W. Richard Merriman, Jr., 2015-2020; Thomas J. Botzman, 2020-2022; Robert Gervasi (interim), 2022-2023; and Gregory L. King, 2023-present.

Facilities

UNIVERSITY OF MOUNT UNION

Facilities

(Dates of construction or dedication)

Adams Court (2007)
This row of townhouses within the village on Hartshorn Street, named in honor of Gary ’75 and Connie Adams, houses 24 upper class students.

Arch Street Building (2021)
This building houses classrooms, labs, and mock clinical space for Nursing, Physical Therapy, Physician’s Assistant Studies, and the Spectrum Center program.

The William H. Eells Art Center (1985)
The art center **c**ontains a lecture room, painting studio, rooms for print making, sculpture, drawing and design, plus faculty offices. Dr. Eells, a patron of the arts, was a member of the Mount Union Board of Trustees and a former faculty member at the University.

Beeghly Hall (1973)
The administration building is named in honor of Mr. and Mrs. Leon A. Beeghly of Youngstown, Ohio, who were major benefactors of Mount Union during their lifetimes. The building houses the principal administrative offices of the University.

Berea House (1999)
Originally Berea Children’s Home, this building, located at 1315 S. Union Ave., serves as the Phi Kappa Tau fraternity house.

Bica-Ross Residence Hall (1996)
This three-story building houses 155 students in suite-style living units, contains two classrooms and is located directly behind the Campus Center. It was named by Violet (Bica ’44) Ross in honor of her sister Virginia and in memory of her late husband L. Clayton and brother George Bica ’41.

Bracy Hall (2003)
This four-story natural sciences facility houses the departments of Biology, Chemistry, Geology and Physics. Made possible through a lead gift from Jim and Vanita (Bauknight ’63) Oelschlager, the facility is named for Dr. Carl C. Bracy, sixth president of the University. The 87,000-square-foot structure includes 22 laboratories of various types and sizes, three lecture halls, two classrooms and 21 faculty offices.

Brown Village (2007)
Located on Union Avenue, Brown Village is comprised of three apartment-style buildings (Clutter Manor, Jae Manor and Keller Manor) housing a combined total of 104 students. This living community, which provides housing for juniors and seniors, was made possible by a significant gift from David M. Brown ’54 and was named in his honor.

Brush Performance Hall (2015)
The Louis H. Brush Performance Hall was made possible by a generous estate gift from Louis H. Brush ‘31, president of Brush-Moore Newspapers, Inc., which included the Salem News and the Canton Repository. The proscenium-style performance hall offers seating for 450 on its lower level and in its balcony. The acoustically-significant, state-of-the-art space can host events of varied natures including vocal, instrumental and theatrical performances.

Chapman Hall (1864)
This five-story brick, steel and concrete structure is named in honor of Professor Ira O. Chapman, who was associated with the University from the fall of 1851 to the time of his death in 1880. It is the principal humanities classroom building on campus and was completely rebuilt in 1966-67. There are 40 faculty offices, 15 classrooms, and student and faculty lounges.

Cicchinelli Fitness Center (2009)
The fitness center, housed in the McPherson Academic and Athletic Complex, was made possible by Christopher Cicchinelli ’98 and his mother, Patricia Brisben. A two-story atrium takes you into a fitness center that has two floors housing cardiovascular and weight equipment.

Clarke Astronomical Observatory (1968)
Moved in May of 2003 to the south end of Bracy Hall, it was previously located at the south end of East Hall. It is the second such building to honor the memory of Dr. George Washington Clarke, professor of natural philosophy at the University. The first observatory, erected in 1924, served until it was razed to make room for the Timken Physical Education Building. The instruments, used in both observatories, are the gifts of Elmer E. Harrold of Leetonia, Ohio.

Clutter Manor (2007)
Named in honor of Ronald ’80 and Tracy Clutter, this apartment-style building is located within Brown Village on Union Avenue and provides housing for 32 upper class students.

Cope Music Hall (1964)
This facility is named in memory of the late Kenneth B. Cope ’20, alumnus, trustee and churchman. Principal donors to the building are his widow, Lela (Stoffer ’21) Cope, and family. Cope Music Hall is located within the Giese Center for the Performing Arts located on the northeast edge of the campus. The building contains the offices and teaching studios of faculty members in the Department of Music. Also located in this area is the Sturgeon Music Library, given in memory of Bertha Fogg Sturgeon and her parents, by Samuel Sturgeon. The collection of books, scores and recordings were begun by a generous donation by Mrs. Ella Wilcox Peasley and the Carnegie Corporation. Presently, there are more than 7,000 recordings in CD and digital formats, more than 10,000 music scores, a music reference collection, music periodicals, and a variety of equipment available for check out in the library. The facilities include a printer, study cubicles, and four computer workstations with access to the campus network, the library catalog and the Internet. A complete keyboard laboratory of 13 Roland electronic pianos is located in the music theory area,

each connected to an iMac equipped with ProTools audio recording and editing software, an M-Box Mini Sound i/o box, Finale, and Pyware (marching band program designing). Dedicated choir and band rehearsal rooms, a small recital hall, 30 practice rooms of various sizes and three classrooms are on the east side of the building. Presser Recital Hall is dedicated to Theodore Presser, a former Mount Union student and professor. The three-manual organ in the recital hall is the gift of the Kulas Foundation.

Cunningham Residence Hall (1968)

A residence hall for 112 first-year students, this hall is named in honor of Mr. and Mrs. N. A. Cunningham of Alliance, Ohio. Mr. Cunningham was a trustee for 30 years. The three-story brick structure, facing Clark Avenue, is a duplicate of McCready Hall, and the two halls are separated by a courtyard.

Dewald Chapel (1999)

The first free-standing Chapel in University history, the Dewald Chapel was made possible by a lead gift from Dr. Donald and Mrs. Eleanore (Iman '38) Dewald. The Chapel includes a sanctuary, 24-hour meditation room, conference and meeting rooms for religious life programs and offices.

Dom & Karen Capers Football Coaching Center (2020)

This building is a dedicated building for the football program. It contains the offices of the Head Football Coach and all of the Assistant Coaches. The facility has a large team meeting room that can accommodate 144 players. This large room can be subdivided into 4 smaller break-out spaces with instructional technology in every room.

Dussel House (1941)

This house, located at 1330 S. Union Ave., was presented to the University by the late Mrs. Frank E. Dussel of Alliance, Ohio and is used as the Delta Sigma Tau sorority house.

Elliott Residence Hall (1914)

Elliott is a three-story gender inclusive residence hall named in honor of A.V.T. Elliott of Canton, Ohio. The building was remodeled in 2006. Forty-two students are housed in the building.

Gallaher Hall (2014)

Gallaher Hall, Mount Union's new health and medical sciences facility, houses the Physician Assistant Studies Program and Bachelor of Science in Nursing Program as well as a potential Doctor of Physical Therapy Program slated for launch in the fall of 2015 pending the appropriate approvals. The approximately 41,000-square-foot state-of-the-art facility features an operating simulation room, exam rooms, skill labs, a conference room, tiered and regular classrooms, expansion space, a courtyard and faculty offices. Named for the late Dr. Charles S. Gallaher '25, the facility is connected by a walkway to the south end of Bracy Hall, the University's natural sciences facility.

Gallaher Theatre (2015)

The Charles S. Gallaher Theatre was made possible by a generous gift from Dr. Charles S. Gallaher '25, M.D. Mr. Gallaher, a Mount Union alumnus and distinguished member of the Board of Trustees from 1956 to 1994, very generously named Mount Union in his estate. This multipurpose space, located within the Giese Center for the Performing Arts, can host an array of events including improv theatre, theatre in the round, small music ensemble recitals, dance performances and other entertainment events as well as banquets and receptions.

Gartner Welcome Center (2009)

Named for Carl '60 and Martha Gartner, the Gartner Welcome Center was designed to further enhance the first impression for prospective students as they visit the Mount Union campus. Housing the Office of Admission and Office of Student Financial Services, the Welcome Center displays the University's commitment to green initiatives through its LEED (Leadership in Energy and Environmental Design) certification. It is the first University building to be LEED certified in Stark County.

Giese Center for the Performing Arts (2015)

The Giese Center for the Performing Arts is named in honor of Dr. Richard F. and Mrs. Sandra L. Giese, who led with vision at the University of Mount Union from 2005-2015, advancing an already-strong college to a vibrant university during their 10-year tenure at the helm. The Center, which houses is the departments of Music and Theatre, is dedicated to the visual and performing arts. The facility includes the Otto Art Gallery, Gallaher Theatre, Cope Music Hall and Brush Performance Hall and is also home to a green room, scene shop, costume shop and dressing area.

Grove Court (2007)

Named for Charles and Carol Grove, this row of townhouses within the village on Hartshorn Street is home to 40 juniors and seniors.

Gulling Training Center (2001)

The Gulling Training Center is located west of Mount Union Stadium. The 12,750 square-foot building contains offices, classrooms and areas for plyometrics and sprinting as well as a weight area for strength training. The building was funded by four major gifts including the lead gift from Paul Gulling '80 of North Canton, Ohio; Basil Strong '26 of Atwater, Ohio; Tony Lee '50 of Alliance, Ohio, in honor of his late wife, Beverly Jean (Bowden '51) Lee; and Robert Bordner of New Washington, Ohio.

Hammond Natatorium (2009)

Located in the McPherson Academic and Athletic Complex, the natatorium includes a pool and diving area for recreation and varsity athletic competition. This home of the varsity swimming and diving team includes office space, storage, a scoreboard and seating for 1,000 spectators. Hammond Construction generously provided the lead gift for this facility.

Hartshorn Village (2007)

The Hartshorn Street Village, centrally located on campus next to the Timken Physical Education Building and across from the Gulling Training Center, offers easy access to the fitness facilities of which so many of our students like to take advantage. This

village community consists of three rows of houses; each with its own exterior entrance. The townhouse style of these structures gives students the real feeling of independence as they walk through their very own front door into an open floor plan consisting of a living room, kitchen, bathroom and one bedroom downstairs and a bathroom and three bedrooms upstairs.

Haupt House (2002)

The Fred J. Haupt President's Home is located at 1304 S. Union Ave. Flexible for family living and formal entertaining, highlights of the home include a domed ceiling in the foyer featuring the Mount Union seal and a wall of "University family" photographs dating from the early 1890s. The home was formally named the Fred J. Haupt President's Home in 2007 in honor of long-time University supporter and Board of Trustees member Dr. Fred J. Haupt '63.

Hoiles-Peterson Residence Hall (1989)

Hoiles-Peterson Residence Hall is a two-story, L-shaped building that houses 103 students in suite-style living units. The residence hall, located on the east side of Miller Avenue, is named in recognition of the support and dedication of Josephine (Hoiles '40) and Donald '39 Peterson.

Hoover-Price Campus Center (1962)

The University's Campus Center is named in honor of the Hoover Company of North Canton, Ohio and the late Mr. and Mrs. H.C. Price of North Canton, Ohio, principal donors for the building. It is a one-story structure of 55,800 square feet located on the northwest edge of the campus. The Campus Center is the extracurricular heart of the campus. Expanded in 1996, the Campus Center includes the offices for many of the student service offices which fall under the umbrella of the Office of Student Affairs. This includes the vice president for student affairs and dean of students and associate dean of students, as well as the offices of Alcohol, Drug and Wellness Education, Campus Card and Facility Scheduling, Diversity and Inclusion, International Student Services, Residence Life, Student Accessibility Services, Student Conduct, Student Involvement and Leadership, and the Center for Student Success which includes the Offices of Career Development, First Year Initiatives, Student Academic Support and Students in Academic Transition. Both the Kresge Commons and the B&B Café were renovated in 2006-2007 and serve as the primary dining options for students, faculty and staff on campus as well as popular gathering spots. The Campus Center is also the home to the University Store, a computer lab, student mailboxes and the University radio station. The Alumni Room, Newbold Room (formerly the East Room), and West Room, as well as the Osborne and Deuble Conference rooms, provide accommodations for meeting space. A student-staffed Information Desk and the main University switchboard are also located in the Campus Center.

Jae Manor (2007)

This apartment-style building located within Brown Village on Union Avenue provides housing for 36 upper class students and was named to honor the legacy of the late Hugh '54 and Nancy Jae.

Keller Manor (2007)

Named in honor of Daniel '72 and Laura Keller, this apartment-style building located within Brown Village on Union Avenue is home to 36 upper class students.

Kehres Stadium (1915)

The Stadium was planned and equipped by the University's Alumni Athletic Association. It contains a football field, an all-weather track, a steel and concrete grandstand, concrete bleachers and dressing and storage rooms. The stadium playing field is made of a synthetic turf system. Lights allow for night contests. Stadium capacity is 5,600.

Ketcham Residence Hall (1962)

Located on Simpson Street, this residence hall is named for the late Dr. Charles B. Ketcham, president of Mount Union from 1938-1953, and his wife, Mrs. Lucile Brown Ketcham. The three-story brick structure houses 115 students.

Perry F. King Guest House (1981)

The home is the gift of Dr. and Mrs. Robert G. King '33 of Marion, Massachusetts, in memory of his late father, Dr. Perry F. King 1899, who was a prominent surgeon, member of the Board of Trustees (1914-1918), team physician (four decades), one of the founders of the Alumni Association and responsible for the organization of the Student Health Service. The beautiful old home is located at 1414 S. Union Ave. and is the home of Alpha Delta Pi sorority.

King Residence Hall (1960)

King Hall houses 114 students. The three-story brick structure is named for the late Dr. George L. King Jr. '22 and his wife, Margaret (Wagner) King. Dr. King served as president of the Mount Union Board of Trustees for 18 years.

Kolenbrander-Harter Information Center (2000)

The Kolenbrander-Harter Information Center (KHIC) provides 45,912 square feet of technology and learning space, which is directly linked to the traditional library space (see library entry for resources). It houses the Digital, Written, and Oral Communication Studio, PC labs, a Macintosh lab, a computer science lab, a language lab, several multimedia classrooms, 24-hour access to study space, computer labs and vending. It is home to the KHIC Stand Café and Learning Commons, which offers technology, gathering and study space for individuals and groups. It also contains classrooms and office space for the various academic departments. The facility was made possible through a lead gift from Steve '84 and Suzanne (Spisak '84) Harter.

The Lakes (1916)

The campus lakes are located across from Cope Music Hall. An idea provided by former member of the Mount Union Board of Trustees, Walter Ellet, the lakes were constructed in 1916. Shaped by shovels, wheelbarrows and horses using slip scrapers, the lakes were originally formed in the shape of an "M." The lakes suffered much erosion during the ensuing years, so in 1983, the lakes were cleaned and renovated. Through the installation of a retaining wall, much of the damage caused by the erosion was corrected. The lakes were also restored to their original depth of eight to 10 feet. Other repairs included the addition of new drainage pipes and renovation of the pedestrian bridge. The campus lakes are not to be used for recreational purposes.

Lamborn Plaza (1984)
The Plaza, adjacent to the north entrance of the Engineering and Business Building, is located on the former site of Lamborn Hall, which serviced science classes from 1914 to 1983. The plaza includes in its construction the cornerstone and name plate from Lamborn Hall.
Library (1950)
Originally built in 1950 and expanded in 1975, the University Library is located within the Kolenbrander-Harter Information Center. The library offers more than 230,000 books in open stacks, more than 900 current journal titles, back years of journals in both bound and microform format and more than 350,000 federal government publications. Access to a wide range of computer databases and electronic full-text products is available via campus networked access to the Internet. Library collections are accessed through the OPAL catalog. Mount Union is part of a 19 library catalog consortium which uses the Innovative Interfaces software system. As part of the OhioLINK system, our users may borrow materials directly from all OPAL libraries as well as any of the 74 OhioLINK libraries throughout the state of Ohio. In addition to the OPAL catalog, the Mount Union library home page on the Internet offers access to more than 200 periodical indexes in a wide array of subject areas, more than 5,000 full-text periodical titles, a range of encyclopedias and dictionaries and several gateways to federal government document resources. Special collections are located in the Rare Books Room and the Historical Room, which houses the University's archives and a local history collection. The estate of Louis H. Brush makes annual grants to purchase books and periodicals in memory of James Alpheus Brush, the first Librarian of the University, and his wife. The Thomas S. Brush Foundation, Inc. made a gift of approximately $500,000 in 1971 to the Endowment Fund of the University with the income to be used for purchase of books and periodicals in memory of Mr. Brush's grandparents, Mr. and Mrs. Louis H. Brush. The Sturgeon Music Library, located in Cope Music Hall, houses 7,000 recordings, 10,000 scores, current music periodicals and a music reference collection. Listening stations equipped with compact disc players, turntables and cassette recorders are provided for student use as well as a soundproof listening room. The Science Library provides the most recent three years of science journals and a science reference collection in close proximity to science classrooms and laboratories.
McCready Residence Hall (1965)
A residence hall for 119 first-year students, McCready Hall is located between Hartshorn Avenue and State Street. It is named in honor of the late B. Y. McCready '16 of Alliance, Ohio, a long-time member of the Board of Trustees, and his widow, Mrs. B. Y. McCready.
McMaster Residence Hall (1956)
Located on Simpson Street, McMaster houses 163 women. It is named for the late president of Mount Union, Dr. William H. McMaster 1899, and Mrs. McMaster. The three-story brick construction is built in an L-shape and is the largest residence hall on campus.
McPherson Academic and Athletic Complex (2009)
The McPherson Academic and Athletic Complex is Mount Union's primary health and wellness complex. The facility is named in honor of Richard '50 and Dorothy (Werstler '49) McPherson, whose generosity provided for the McPherson Center for Human Health and Well-Being in 1996 as well as for this latest addition and renovation. The MAAC includes the Timken Physical Education Building, Peterson Field House, McPherson Center for Human Performance, Cicchinelli Fitness Center, Hammond Natatorium and Sweeney Auxiliary Gymnasium as well as a wrestling room, exercise science center and laboratory, athletic training facility, classrooms, laboratories, office spaces and an area dedicated to student recruitment.
McPherson Center for Human Performance (1996)
The McPherson Center, located adjacent to the Timken Physical Education Building, is the home for the Exercise Science and Sport Business majors, with faculty offices, a student lounge and state-of-the-art classroom and laboratory facilities. The building was made possible through a lead gift from Richard '50 and Dorothy (Werstler '49) McPherson. The center is part of the McPherson Academic and Athletic Complex.
Miller Residence Hall (1866)
Miller is a three-story brick residence hall named in honor of the Honorable Lewis Miller of Akron, long-time chairman (1868-99) of the Mount Union Board of Trustees. It is the oldest residence hall on campus and was renovated in 2007.
Nature Center (1986)
The John T. Huston-Dr. John D. Brumbaugh Nature Center is located six miles south of the campus. The 126-acres of woodland, including 27-acres of old growth beech maple forest, provide a nature preserve for plant and animal populations native to northeastern Ohio. The land, donated to the University by Dr. John D. Brumbaugh in honor of his grandfather, Mr. John T. Huston, will be used in perpetuity as a center for environmental education. The preserve, used as an outdoor teaching laboratory for the natural sciences, also supports many faculty/student research projects. In addition, nature trails are open to the public and to organized groups in the area. The Dr. John D. Brumbaugh Visitors Center, completed in 1991, provides classroom and laboratory space and an information resource for students and other visitors.
Oak Hall (2010)
This facility, originally built in 1958, was renovated in 2010 to house the Samuel W. and Dolores E. Brenton School of Engineering as well as the School of Business. The facility includes a two-story lobby, seven labs, a collaborative space, distance learning classroom, a computer lab, two lecture halls, a conference room, student lounge, study areas and 23 offices.
Orwick Court (2007)

This row of townhouses located on State Street was made possible by a gift from Carl ’42 and Martha “Nickie” (Nicholson ’45) Orwick in honor of the four generations of family who have passed through Mount Union. Forty upper class students reside within Orwick Court.

Otto Art Center (2015)
The Sally Otto Art Gallery was made possible by a generous gift from Mr. Eric (Jim) ’56 and Mrs. Sally (Cooper ’56) Otto. Located within the Giese Center for the Performing Arts, the Otto Art Gallery features exhibitions of work by students, faculty and professionals throughout the academic year.

Peterson Field House (1981)
Located at the west end of the McPherson Academic and Athletic Complex, the Field House is named in recognition of the late Donald ’39 and Josephine (Hoiles ’40) Peterson. Dr. Peterson’s many contributions included serving as a member of the Board of Trustees from 1954 until 2006 and as Board president from 1971 to 1987. The Field House features the Wuske Track, a 200-meter NCAA regulation indoor track for hosting college and high school meets, named in honor of the University’s successful track coach, the late Jim Wuske. The facility also includes batting cages and indoor practice space for baseball, softball and golf and provides recreational and varsity practice space for basketball, volleyball and tennis.

Scott Plaza
Adjacent to the library, Scott Plaza is named in memory of Dr. Joseph Scott who was head of the Department of Biology from 1918 to 1946.

Shields Residence Hall (1999)
This three-story building houses 155 students in suite-style living units and is located directly behind the Campus Center. It was named in honor of Dr. Clifford D. ’43 and Mrs. Betty (Hatton ’44) Shields.

Simpson Street Building (2026)
This state-of-the-art facility is home to the Doctor of Physical Therapy and Master of Science in Occupational Therapy programs. Providing students with the most relevant tools, this building provides a world-class learning experience for students.

Sweeney Auxiliary Gymnasium (2010)
The auxiliary gymnasium, located in the McPherson Academic and Athletic Complex, provides additional practice space for Mount Union’s intramural program and recreational activities. The facility was made possible through the generosity of Sean ’79 and Caroline Sweeney.

Timken Physical Education Building (1970)
The Timken Physical Education Building, part of the McPherson Academic and Athletic Complex, includes a performance arena with three full-size basketball and volleyball courts with a seating capacity of 3,000. Also housed in the facility is a state-of-the-art sports medicine center that includes an athletic training room, offices, rehabilitation center and hydrotherapy facilities. The Office of Athletics is located here along with classrooms, the M Club meeting room and an interactive kiosk that includes the M Club Athletic Hall of Fame.

Tolerton and Hood Hall (1982)
Tolerton and Hood houses various academic disciplines such as Psychology, Business, and Engineering. The building includes faculty offices, a large lecture room, individual classrooms and student laboratories. The building was endowed in 1983 through a generous gift from Mary (Tolerton ’24) Hood. Tolerton and Hood Hall was named for Mrs. Hood’s father, Howard Tolerton, and her husband, Clifford Hood.

Union Avenue Gateway and Park
The Gateway and Park are located between Union Avenue and the University buildings. The park, made possible by the Mount Union Woman’s Club, contains two lakes, walks, a bridge, trees and shrubbery. A brick entrance, erected by the class of 1893, marks the approach from Union Avenue.

Union Avenue West Village (2011)
Located on Union Avenue, is comprised of three apartment style buildings, housing a combined total of 188 students with 40, three story and eight, two story apartments. This living community provides housing for juniors and seniors.

van den Eynden Hall (1928)
Located at 136 Hartshorn St. and formerly known as the Administration Annex, the building was named in 1990 in recognition of the late Howard and Kathryn van den Eynden of Shaker Heights, Ohio. The building was the gift of an anonymous donor in 1940. Prior to that time, it housed the Phi Kappa Tau fraternity, and from 1942-1962 it served as the college Student Union and a residence hall. The building now houses the Department of Social Sciences, and the Ralph and Mary Regula Center for Public Service and Civic Engagement.

Wable-Harter Building (1996)
The Wable-Harter Building, located behind the Mount Union Stadium, is the gift of Steve ’84 and Suzanne (Spisak ’84) Harter of Houston, Texas. The building houses the football locker room and facilities, offices, a meeting room and a training room.

Whitehill Tennis Courts (1946)
The University’s Tennis Courts, located behind Bica-Ross Hall, are the gift of the late Mr. C. E. Whitehill of Indianapolis, Indiana. A new construction in 1999, the site includes six tennis courts.

UNIVERSITY of MOUNT UNION

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Accreditations & Affiliations

UNIVERSITY OF MOUNT UNION

Accreditations and Affiliations

The University of Mount Union has programs approved by a number of accrediting bodies and groups.

- Higher Learning Commission (HLC)
- Ohio Department of Higher Education (ODHE)
- National Association of Schools of Music (NASM)
- National Collegiate Athletic Association (NCAA)
- National Council of State Authorization Reciprocity Agreements (NC-SARA)
- Accreditation Council for Business Schools and Programs (ACBSP)
- Commission on Sport Management Accreditation (COSMA)
- Engineering Accreditation Commission of ABET (EAC-ABET)
- Council for Accreditation of Educator Preparation (CAEP) – Includes ODHE Approval
- Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA).
- American Chemical Society (ACS).
- Commission on Collegiate Nursing Education (CCNE)
- Ohio Board of Nursing (OBN)
- Commission on Accreditation in Physical Therapy Education (CAPTE)
- Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) – Candacy Status

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Alumni Organizations & Special Lectureships

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Alumni and Related Organizations

The University of Mount Union Alumni Association was officially organized in 1948, having functioned for many years as an informal organization. Its purpose is to promote interest in Mount Union through a variety of programs and events. All former students who attended for at least one semester are automatically members of the Association. Activities are coordinated through the Office of Alumni Engagement. The Alumni Association supports the work of 3 sub-committees which in turn support the strategic initiatives of the University. Participation and support of the Association are welcomed and encouraged from any of our alumni around the world.

Special events for alumni are provided at the University during Alumni Weekend and Homecoming. The Mount Union Magazine, along with a monthly email newsletter, and social media, keeps alumni and friends informed of the programs and activities coordinated through the Office of Alumni Engagement and of the University.

The Mount Union Women, founded in 1933, is an organization of local chapters with the National Cabinet as its governing body. Its purposes are to foster the interests of Mount Union, to promote the education of women, to provide an effective medium of contact between alumnae and the University and to organize local chapters of Mount Union Women. Any woman who has attended Mount Union is a member of Mount Union Women. Associate memberships may be held by the wife of an alumnus and the mother, daughter or sister of an alumnus or alumna. Honorary memberships are given to the wife of the president of the University, the wives of all members of Administrative Council, the Director of Alumni Engagement and University Activities and women members of the University's Board of Trustees. Honorary memberships may also be given to women professors and wives of professors.

M Club is an organization of former student-athletes. Any student-athlete lettering in a varsity sport (Men's and Women's) at Mount Union is automatically a member of M Club upon graduation. The M Club serves to raise additional revenue to supplement the annual operations and capital budget of the athletic programs. The major activities of the Club include the Athletic Hall of Fame induction ceremony and other fundraising and social events.

Special Lectureships

The Carr Lecture

The Joseph M. Carr Lectureship was established at Mount Union in 1916 by the Carr family in memory of the Reverend Joseph M. Carr, D.D., a close associate of President Hartshorn in the early days of the University of Mount Union. The condition under which the lectureship was given states that the lecture shall always be upon the subject, "The Mission of the Christian University to the World."

The Eckler Lecture

The Mary W. and Eric. A. Eckler Endowment in Literature and Drama was established in 1981 through an endowment given by Mr. John A. and Mrs. Dorothy (Nelson '29) Cummins in appreciation of the many years of service to the community and Mount Union by the Ecklers. Dr. Eric A. and Mrs. Mary Eckler were long-time faculty members in the Department of English at the institution.

The Faculty Lecture

Each year, a member of the Mount Union faculty is selected to give a special lecture relating interesting or important developments in his or her own field or exploring matters of general concern to the faculty.

The Gallaher Lecture

The Dr. Charles S. Gallaher Science Lecture Series was established in 2013 with an estate gift from Dr. Charles S. Gallaher '25. Gallaher was a Mount Union alumnus and distinguished member of the Board of Trustees from 1956 to 1994. The lecture supports the sciences and is to be presented in the Charles S. Gallaher Theatre.

The Heffern Lecture

The Gordon Heffern Business Ethics Lecture was established by Mount Union Trustee Gordon E. Heffern to encourage dialogue about the practical ways in which spirituality can transform the workplace. Heffern, a graduate of the University of Virginia, served as chairman of the board of Society Corporation before retiring in 1987.

The Kershaw Lecture

The Myrtie Allen Kershaw Lectureship on Poetry and the Fine Arts was established in 1960 by a bequest from Myrtie Allen Kershaw of Kent, OH, who indicated in her will that such a fund should go to a University chosen by her friend and executrix of her estate, Elizabeth Clark Bell. Because of Mrs. Bell's personal interest in Mount Union, where she was a student in 1932-33 and where her uncle, Robert E. Stauffer, was a teacher and librarian for many years, she designated Mount Union to receive the fund. The income is used to bring periodically to the University a person of distinction, for one or more lectures on ancient or modern poetry, the fine arts, or music or for an original performance in one of these fields.

The Schooler Lecture Series

The Schooler Lecture Series was established in 1988 through a grant made by the Schooler Family Foundation of Coshocton, Ohio. Through their gift, the University is able to provide a dramatically enhanced opportunity for young men and women studying at Mount Union and for residents in the greater Alliance area to experience the breadth and depth of American culture. Speakers have

included former U.S. President Gerald Ford; former U.S. Surgeon General C. Everett Koop; the late Astronomer Carl Sagan; former U.S. Secretary of State Henry Kissinger; and U.S. Supreme Court Justice Sandra Day O'Connor.

The Slater Lecture

The Thelma Tournay Slater Classics Lecture is made possible through a gift of Mrs. Thelma E. (Tournay '42) Slater. Mrs. Slater's lifelong passion for the classics began at Mount Union. The gift supports student enrichment through an increased appreciation of the civilization and cultural achievements of ancient Greek and Rome that stand at the core of a liberal arts education.

The Wolf Lecture

The John and Eleanor Mincks Wolf Lecture in Music Education and English was established with gifts in 1999 and 2009 to honor the memory of John '47 and Eleanor (Mincks) Wolf. Mr. Wolf was a teacher of music for 30 years in the Strongsville schools. Mrs. Wolf was a teacher of English and Latin in Richfield and Highland school districts. Distributions from the endowed fund are used to bring professionals in the disciplines of music education or English to campus.

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Undergraduate Academic Calendar

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Undergraduate Academic Calendar

UNDERGRADUATE ACADEMIC CALENDAR 2026-2027
Summer 2026 & Fall 2026

SUMMER SESSION 2026		
May 11 - June 28	Session I	Summer Session I - 7 Weeks
May 15	Friday	Last Day to Drop Without a "W" and Last Day to Add a Class for Session I
May 25	Monday	Memorial Day - No Classes
June 12	Friday	Last Day to Withdraw with a "W" for Session I
June 19	Friday	Juneteenth Observation - No Classes
June 29 - July 5	Mon - Sun	Summer Break - No Classes
July 6 - August 23	Session II	Summer Session II - 7 Weeks
July 10	Friday	Last Day to Drop Without a "W" and Last Day to Add a Class for Session II
August 7	Friday	Last Day to Withdraw with a "W" for Session II
FALL SEMESTER 2026		
August 21 - 23	Fri - Sun	Fall Orientation
August 24	Monday	First Day of Classes
August 28	Friday	Last Day to Drop Without a "W" and Last Day to Add a Class
September 7	Monday	Labor Day - No Classes
October 15 - 16	Thurs & Fri	Required Faculty and Staff Compliance Training Days
October 15	Thursday	Session I Exam Day - No Regular Classes; Fall Break begins as noon
October 16	Friday	Last Day to Change from Credit to S/U
October 16	Friday	Fall Break - No Classes
October 19	Monday	Classes Resume
October 27 & 29	Tues & Thurs	Spring Registration - Seniors on Tues, Juniors on Thurs
November 3 & 5	Tues & Thurs	Spring Registration - Sophomores on Tues, First Year on Thurs
November 2	Monday	Last Day to Withdraw with a "W" for Full Semester Courses
November 13	Friday	Last Day to Petition to Change Day/Time of Final Exam
November 25 - 27	Wed - Friday	Thanksgiving Recess - No Classes
November 30	Monday	Classes Resume from Thanksgiving Recess
December 4	Friday	Last Day of Regular Classes
December 6 - 10	Sun - Thurs	Final Exam Period (Begins at 6:00pm Sunday)
December 10	Thursday	Semester Ends at 11:00pm
FALL SESSION I - 8 WEEK CLASSES		
August 24 - October 15	Session I	Session I - 8 Week Classes
August 28	Friday	Last Day to Drop Without a "W" and Last Day to Add a Session I Class
September 18	Friday	Last Day to Petiton to Change Day/Time of Session I Final Exam
September 25	Friday	Last Day to Withdraw with a "W"
October 15	Thursday	Final Exam Day for **Session I Courses Only** *Math 7:45am-9:45am; All Others 10am-Noon - No Regular Classes*
FALL SESSION I - 7 WK ONLINE CLASSES		
August 24 - October 11	Session I	Session I - 7 Week Online Classes
August 28	Friday	Last Day to Drop Without a "W" and Last Day to Add a Session I Class
September 18	Friday	Last Day to Petiton to Change Day/Time of Session I Final Exam
September 25	Friday	Last Day to Withdraw with a "W"
FALL SESSION II - 8 WEEK CLASSES		
October 19 - December 10	Session II	Session II - 8 Week Classes
October 23	Friday	Last Day to Drop Without a "W" and Last Day to Add a Session II Class
November 13	Friday	Last Day to Withdraw With a "W"
December 6 - 10	Sun -Thurs	Final Exam Day for Session II - Follow Full Semester Exam Schedule
FALL SESSION II - 7 WK ONLINE CLASSES		
October 19 - December 6	Session II	Session II - 8 Week Classes
October 23	Friday	Last Day to Drop Without a "W" and Last Day to Add a Session II Class
November 13	Friday	Last Day to Withdraw With a "W"

Revised 2/17/2026

UNDERGRADUATE ACADEMIC CALENDAR 2026-2027

Winter 26/27, Spring 2027, & Summer 2027

WINTER SESSION 2026/2027		
December 14 - January 10	Winter Session	Winter Session 2026 - 4 Week Online Classes
December 18	Friday	Last Day to Drop Without a "W" and Last Day to Add a Class
January 4	Monday	Last Day to Withdraw With a "W"
SPRING SEMESTER 2027		
January 11	Monday	First Day of Classes
January 15	Friday	Last Day to Drop without a "W" and Last Day to Add a Class
January 18	Monday	Martin Luther King, Jr. Day - No Classes
March 5	Friday	Required Faculty and Staff Compliance Training Day
March 5	Friday	Session I Exam Day - No Regular Classes
March 5	Friday	Last Day to Change from Credit to S/U
March 8 - 12	Mon - Friday	Spring Break - No Classes
March 15	Monday	Classes Resume
March 26	Friday	Good Friday/Easter Recess - No Classes
March 29	Monday	Classes Resume from Easter Recess
March 29	Monday	Last Day to Withdraw with a "W" for Full Semester Courses
March 30 & April 1	Tues & Thurs	Fall Registration - Seniors on Tues, Juniors on Thurs
April 6 & 8	Tues & Thurs	Fall Registration - Sophomores on Tues, First Year on Thurs
April 16	Friday	Last Day to Petition to Change Day/Time of a Final Exam
April 20	Tuesday	SCHOLAR Day/Honors Convo (No Day Classes; Classes Resume at 6pm)
April 29	Thursday	Last Day of Regular Classes
April 30 - May 5	Friday - Wed	Final Exam Period (Includes Sunday 6pm Exam; No Saturday Exams)
May 5	Wednesday	Semester Ends at 11:00pm
May 8	Saturday	Commencement
SPRING SESSION I - 8 WEEK CLASSES		
January 11 - March 5	Session I	Session I - 8 Week Classes
January 15	Friday	Last Day to Drop without a "W" and Last Day to a Add Session I Class
February 5	Friday	Last Day to Petition to Change Day/Time of Final Exam for Session I
February 19	Friday	Last Day to Withdraw with a "W"
March 5	Friday	Final Exam Day for **Session I Courses Only** *Math 7:45am-9:45am; All Others 10am-Noon - No Regular Classes*
SPRING SESSION I - 7 WK ONLINE CLASSES		
January 11 - February 28	Session I	Session I - 7 Week Online Classes
January 15	Friday	Last Day to Drop without a "W" and Last Day to a Add Session I Class
February 5	Friday	Last Day to Petition to Change Day/Time of Final Exam for Session I
February 19	Friday	Last Day to Withdraw with a "W"
SPRING SESSION II - 8 WEEK CLASSES		
March 15- May 5	Session II	Session II - 8 Week Classes
March 19	Friday	Last Day to Drop without a "W"
April 16	Friday	Last Day to Withdraw with a "W"
April 30 - May 5	Friday - Wed	Final Exam Day for Session II - Follow Full Semester Exam Schedule
SPRING SESSION II - 7 WK ONLINE CLASSES		
March 15 - May 2	Session II	Session II - 8 Week Classes
March 19	Friday	Last Day to Drop without a "W"
April 16	Friday	Last Day to Withdraw with a "W"
SUMMER SESSION 2027		
May 10 - June 27	Session I	Summer Session I - 7 Weeks
May 14	Fridday	Last Day to Drop Without a "W" and Last Day to Add a Class for Session I
May 24	Monday	Memorial Day - No Classes
June 11	Friday	Last Day to Withdraw with a "W" for Session I
June 18	Friday	Juneteenth Observation - No Classes
June 28 - July 4	Mon - Sun	Summer Break - No Classes
July 5 - August 22	Session II	Summer Session II - 7 Weeks
July 9	Friday	Last Day to Drop Without a "W" and Last Day to Add a Class for Session II
August 6	Friday	Last Day to Withdraw with a "W" for Session II

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UNIVERSITY of MOUNT UNION

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Admission & Financial Aid

UNIVERSITY OF MOUNT UNION

Admission and Financial Aid

Admission to the University

The policy of the University of Mount Union is to enroll applicants who are best qualified to participate effectively and creatively in the life of the total academic community. Admissions decisions are based on past academic achievement as well as potential for future growth. Also considered are participation in high school and community activities, talents, interests, and motivation.

A candidate may apply for admission after completion of six semesters of high school study. The University follows a policy of rolling admission with the first decisions released after September 15. Though early application is encouraged, selection is made on the basis of records and credentials rather than on the basis of priority of application.

Students may enroll in the University at the beginning of any semester or, with permission, for the Summer Session. (See the Undergraduate Academic calendar for opening dates of each semester.) Applications should be submitted well in advance of the opening date of each semester in order to receive full consideration, and no later than the week prior to the start of each academic session. However, on an exceptional basis, the Office of Admission may give consideration to qualified applicants whose complete credentials are received by the fourth day of the first week of classes.

First-Time First-Year Entrance Requirements

An entering first-time first-year student should hold a diploma from an accredited secondary school and should have completed a minimum of 15 units. Consideration for admission as an entering freshman begins at the cumulative grade point average level of 2.0 on a 4.0 scale. Preference is given to applicants who have completed with distinction college preparatory programs which include 4 units in English; 3 units or more in each of the following fields: mathematics, social sciences and laboratory sciences; and 2 units or more in a world language. A challenging high school curriculum including Advanced Placement and College Credit Plus is encouraged. Consideration for admission also is given to capable students who have followed alternate programs. Additional documentation may be required to support the admission application.

Entering first-time first-year students should submit:

- A high school transcript. The student's high school counselor or principal should send an official copy of the transcript to the University of Mount Union Office of Admission.
    - Upon application, submit official six- or seventh-semester transcript
    - An official final high school transcript with graduation date posted, official signature, and indication of diploma earned must be received prior to moving on campus or the start of classes for students living off-campus.
- An application essay following online instructions is also required as part of the application process.
- Any applicant with a gap of one or more semesters between earning their high school diploma/GED and enrolling in college, and/or throughout their college education, must provide a gap statement disclosing all periods of enrollment at an educational institution and all periods of non-enrollment, including the institution names and semesters or terms.
- Official Act or SAT scores are optional for most students. See the Test Optional Policy below for details.

Incoming students who are still considered first-time first-year students if they graduated from high school the previous spring, have taken courses at a college or university as part of their high school course work, or acquired college credit during the summer leading up to the fall semester.

All transcripts, test scores, correspondence, or other materials submitted for the purpose of applying for admission become the property of the University and will not be returned.

An applicant who does not hold a high school diploma may be considered for admission by submitting the application for admission and completing the following steps:

- Submitting GED test scores
- Presenting official transcripts of all high school work attempted
- Submitting official ACT or SAT test results, or
- A score of 300 or greater on the California High School Proficiency exam will be considered equivalent to the required GED for purposes of admission consideration

An applicant who is home schooled may be considered for admission by completing the application for admission and the following steps:

- Presenting an official transcript, including course work and grades, from the home schooling experience
- Demonstrating that he or she is graduating no earlier than his or her class in the public school system

- Submitting an official copy of the ACT or SAT test scores

Test-Optional Policy

The University of Mount Union is committed to a holistic approach to application review. To better serve students, Mount Union will admit students based upon the University's established high school grade point average requirements for admission and holistic review of each student's high school record. Students can submit standardized test scores (ACT or SAT) if they feel those results represent their academic potential. The Admission Committee makes no assumptions as to why some students choose to submit scores while others do not.

Students who choose not to submit scores are still eligible for academic scholarships. Submitted test scores will only be considered if they improve the scholarship level for which a student is eligible.

Students who wish to be considered for the following programs must submit standardized test scores.

- Presidential Scholarship Program
- Direct-entry Nursing Program
- Honors program

We encourage students who have ACT or SAT scores to continue to submit them, as it helps identify which first-year courses will best serve them in pursuit of their major of choice. Students in the following are highly encouraged to submit standardized test scores to allow for appropriate math placement.

- Accounting
- Biochemistry
- Biology
- Chemistry
- Computer Science
- Economics
- Engineering Majors (all)
- Environmental Science
- Finance
- Financial Mathematics
- Geology
- Management
- Marketing
- Mathematics
- Medical Laboratory Science
- Multi-Platform Software Development
- Nursing
- Physics
- Public Relations

Conditional Admission

An applicant that does not clearly demonstrate the ability to make an academically successful transition into the Mount Union curriculum without academic support may be admitted provisionally. This decision will typically apply to applicants with some combination of the following academic credentials: cumulative high school GPA below 2.5 (4.0 scale), ACT score (if submitted for consideration) of 17 or below (or SAT equivalent), ACT sub-score(s) in the 15-17 range, with particular attention paid to English, Math, and Reading, lacking college preparatory curriculum, particularly in English and math, a downward trend in academic performance during high school, attendance issues, recommendation from a high school official that the applicant would benefit from support.

All enrolled students accepted to the University of Mount Union with Academic Support as a condition of their admission will be required to successfully complete UMU 100 or UMU 110. There is no excusal for this course requirement – all students, regardless of GPA earned at Mount Union, must pass one of these courses prior to graduation. Students will be contacted by Academic Support Staff to enroll in this course.

Students who meet the following criteria after their first semester at Mount Union will move from provisional to traditional status.

- Earn a 2.0 GPA and
- Complete 12 credit hours of coursework, and
- Successfully complete the FYS or TRF seminar courses in your first semester.

In addition, students admitted provisionally are informed in their acceptance that admission is contingent upon the applicant earning a minimum cumulative final high school GPA of 2.0. If the student does not meet the 2.0 GPA, the University of Mount Union reserves the right to rescind this offer of admission.

Provisionally admitted students failing to meet the conditions of their admission, or failing to earn a 1.6 GPA, after their first semester will be reviewed for academic warning, probation, or suspension.

Domestic Admission Deferral

For students who want to defer their enrollment to a future term may do so if they were in one of the following statuses from the current term:

- Awaiting Materials – submitted application, but did not send in all materials'
- Admitted – student was admitted within the current term.
- Deposited – student paid enrollment deposit (deposit can be rolled over to future term if the student requests it by contacting the Business Office and giving them the student's information, and what term the money should applied to).

Students may defer their application for up to one academic year (two semesters) from the original term of application. After deferring twice, student will need to fill out a new application for admission. All deferrals must occur prior to the start of classes for the term of original acceptance.

Students may request a deferral by submitting the online deferral request form at: https://admission.mountunion.edu/register/deferadmission.

- Form is automatically emailed to the Director of Enrollment Operations and the Director of Admission.
- Director of Enrollment Operations will follow the steps necessary to clone the application and copy the materials to the requested future term.
    - Go to the Applications tab.
    - Click on "New Decision" – choose appropriate one (Accept Deferred, Incomplete Deferred, Deposit Deferred, etc.).
    - Click "Confirmed" to save decision.
    - Go to "Edit Application Details".
    - Select the new term (Round). Bin = Undergrad 1; Queue = Young
    - Clone App – select new term student is deferring to.
    - Hit "Clone" button and type 'CONFIRM' in box. New Application tab is created at the top.
- Director of Enrollment Operations will forward the file to be reviewed by the Director of Admission by placing it in the appropriate queue in Slate Reader.
- Director of Admission will determine if the information previously submitted for the current term is still valid for the future term:
    - If yes, Director of Admission will follow the application review process outlined above.
    - If no, Director of Admission will place the file on "Hold" and add in the additional items needed (on review form and on student's checklist) and forward the file to the "Awaiting Materials" bin. Student will be notified by email of the missing materials.
    - Student is an accepted student and should be deferred as an accepted student to the next term. No deposit was paid.
    - Student is an accepted and/or deposited student but plans to attend another institution while waiting to come to UMU; student deferred but marked as awaiting materials.
    - The Director of Admission will notify the Admission Representative of the prospective student the results of the deferral request, so they may provide follow-up as well.

Transfer Student Entrance Requirements

An entering transfer student should hold a diploma from an accredited secondary school and should have completed postsecondary schoolwork after high school graduation. Consideration for admission as a transfer student begins at the cumulative grade point average level of 2.0 on a 4.0 scale. Transfer students are reviewed using a holistic application review process. Required application documentation includes a final high school transcript, college transcripts from any institution(s) attended, a student standing evaluation (to verify enrollment standing from most recent institution attended), and an application essay.

Transfer of Credit

Consideration for admission as a transfer student requires a minimum cumulative grade point average of a 2.0 (on an A = 4.0 scale; 2.0 = C) at the institution previously attended and documentation of good academic standing and honorable disciplinary standing on the Dean's Evaluation Form. (If past or pending disciplinary issues are evident or if other indicators warrant it, we may also require a Dean of Students Form from every institution previously attended by you.). The application for admission should

be accompanied by a personal statement explaining the reason for leaving the previous institution and the reason for selecting Mount Union. In addition, the applicant must have official transcripts forwarded from all institutions previously attended (including final high school transcripts) along with the Dean of Students form. Official transcripts received by the student will only be considered official if they are sealed by the institution providing the transcripts.

A student who has been registered for one or more courses at another university, with the exception of a student who was enrolled under the College Credit Plus Program, is classified as a transfer student. Failure to report attendance at another college or university, whether or not credit was granted, may result in suspension from the University of Mount Union.

A student admitted to the University of Mount Union after having attended another institution of higher education, including students who have earned an associate's degree, must provide an official transcript of his or her academic record at all previous institutions. This transcript will be the basis for determining what, if any, transfer credit will be accepted by the University of Mount Union; such determination will be made by the Office of the University Registrar at the time of admission on a course-by-course basis. To be eligible for transfer to the University of Mount Union academic record, a transferred course must have been completed at a regionally accredited college or university, must have a grade of "C" or better and must be in an academic discipline in which courses are offered by the University of Mount Union. Any credit granted at the time of admission is conditional and may be withdrawn if a student is deemed incapable of successfully completing advanced work. Grades for transfer work accepted by the University of Mount Union will not be included when calculating the student's University of Mount Union grade point average.

Admission of International Students

The University of Mount Union welcomes applications from qualified international students. An international student is considered a student applying for admission to the University of Mount Union that is not a citizen, permanent resident or refugee/asylee of the United States of America. International students may apply for admission through the Office of International Admission by filling out the online application form (www.mountuion.edu/how-to-apply). All students are required to submit the following information as part of their application:

1. Secondary school (high school) transcripts
    a. If not in English, an English translation must accompany the originals.
    b. While admission criteria may vary by program, generally an applicant should have at least a 2.5 GPA on a 4.0 scale to be considered for admission.
2. Proof of English Proficiency:

English Proficiency Test	Minimum Score (ESL Coursework Required)	Minimum Score (No ESL Coursework Required)
TOEFL	61 iBT (500 PBT)	79 iBT (550 PBT)
IELTS	5.5	6.5
PTE	46	55
Duolingo English Test	85	100

- Applicants may also submit one of the following examinations as proof of English proficiency, where no ESL coursework is required:

Examination	Minimum Score (no ESL Coursework Required)
MELAB	80
SAT Critical Reading Score (old SAT)	500
SAT Evidence-based Critical Reading & Writing Score	590
ACT English Subscore	21

- Mount Union also will accept the following as proof of English proficiency when reviewed on a case-by-case basis:
    - Completion of a minimum of two English courses (non-ESL) at a U.S. high school with a minimum grade of B.
    - Completion of secondary school (with at least 2 years of prior, continuous enrollment) from an English-speaking country (see chart below).
    - Completion of an International Baccalaureate (IB) curriculum with a minimum score of 5 in the Diploma Programme, or a minimum score of 6 in the standard level English language examinations.
    - Completion of the British Ordinary Level (O-level) English Language Exam (GCE/GCSE/IGCSE) with a Grade of B or higher.

- Completion of the British Advanced Leve (A-level) English Language Exam (GCE/GCSE/IGCSE) with a Grade of C or higher.
- Completion of a minimum of 24 credit hours of academic (non-ESL) coursework at an accredited two or four-year postsecondary institution in the U.S. with a minimum GPA of 2.0.
- Completion of at least 1 year of postsecondary instruction (non-ESL) from a recognized higher education institution in an English-speaking country (see chart below) with a minimum GPA of 2.0.

English-speaking Countries:

Anguilla	Antigua	Australia	Barbados
Belize	Bermuda	Botswana	British Virgin Islands
Canada	Cayman Islands	Christmas Island	Cook Islands
Dominica	Fiji	Gambia	Ghana
Gibraltar	Grenada	Guyana	Ireland
Jamaica	Jersey	Kenya	Liberia
Malawi	Mauritius	Micronesia	Montserrat
Namibia	New Zealand	Nigeria	Norfolk Islands
Papua New Guinea	Pitcairn Islands	Scotland	Sierra Leone
Solomon Islands	South Africa	St. Helena, Ascension & Tristan da Cunna	St. Kitts & Nevis
St. Lucia	St. Vincent & Grenadines	Swaziland	Tanzania
The Bahamas	Tonga	Trinidad & Tobago	Turks & Caicos
Uganda	United Kingdom	Zambia	Zimbabwe

3. Additional documents. For applicants transferring from another U.S. Institution, the applicant must submit the Student Standing Evaluation Form. You may also submit a personal essay and any letters of recommendations with the application.
4. International students who cannot arrive in time for their preferred semester are able to defer their application from one intake to another. A deferral form must be completed, which can be found on our website: https://admission.mountunion.edu/register/intl_deferral.

Information for Transfer International Student Applicants

International students that complete any post-secondary (college/university) coursework at another institution are considered transfer students. International transfer student applicants are required to submit all transcripts from any post-secondary institution where coursework was completed along with any and all other materials listed above. Generally, transfer students must have at least a 2.0 GPA on a 4.0 scale to be considered for admission.

Courses where a grade of C or better has been achieved may be eligible for transfer credit into Mount Union. International students currently enrolled at another U.S. institution must have the Registrar's Office directly send their official transcripts to Mount Union's Registrar's Office for transfer credit to be considered. Students that hand-deliver their official transcripts are not eligible to receive transfer credit. Students that completed coursework with an international institution should be prepared to submit (in addition to the official transcript) course descriptions and/or course syllabi information to determine the eligibility of courses to be transferred in to Mount Union. For more information on transfer credit, please contact the Office of the University Registrar.

Information for Post-Baccalaureate International Student Applicants

Post baccalaureate status refers to students who have already completed an undergraduate degree, either at the University of Mount Union or at another regionally accredited institution, including those students applying for the accelerated nursing program. Post baccalaureate students may be degree-seeking or non-degree seeking.

Post baccalaureate applicants must complete the online undergraduate application for admission and submit an official transcript from the institution in which the undergraduate degree was earned, and any subsequent official transcripts. Applicants must meet the University requirements for international admission, as well as the prerequisites for the classes they plan to enroll.

Information for Exchange Students and Language Teaching Assistants

Students that matriculate to Mount Union's campus through one of the University's exchange program agreements are considered an exchange student. Exchange students must be nominated by their home institutions and approved through Mount Union's Center for Global Education. Once nominations are approved, exchange students must apply for admission through the Office of International Admissions. Official college transcripts along with all other documents outlined above must be submitted for admission. Exchange students are permitted to enroll in courses at Mount Union for the approved duration of time as outlined in the University's exchange program agreements.

The University also welcomes Language Teaching Assistants (TA) each year that assist our faculty in the Foreign Languages and Cultures Department in various foreign language classes that the University offers. TA's are selected and approved through Mount Union's Center for Global Education. Once nominations are approved, TA's must apply for admission through the Office of International Admissions. Official college transcripts along with all other documents outlined above must be submitted for admission. TA's may complete an English Proficiency interview with faculty from the Foreign Languages and Culture Department instead of submitting a TOEFL, IELTS, or any other form of English proficiency test. TA's are permitted to enroll in courses at Mount Union for the approved duration of time outlined in the University's agreement/contract with the teaching assistants.

International Transcript Policy

All transcripts submitted to the University of Mount Union become the property of Mount Union and cannot be returned to the student. Mount Union recognizes that in certain countries only one (1) official transcript is issued to the student upon graduation. Therefore, Mount Union will accept true, certified copies of transcripts in lieu of official transcripts. All transcripts must be translated into English by a certified translation service prior to submission.

Immigration

The University of Mount Union may enroll international students of all visa types. Mount Union, through the Department of Homeland Security's (DHS) Student & Exchange Visitor Information System (SEVIS), is authorized to issue certificates of eligibility I-20 documents for students pursuing an F-1 visa and DS-2019 documents for students pursuing a J-1 visa. U.S. federal law requires that international students seeking an F-1 or J-1 visa show proof of financial support to be issued an I-20 or DS-2019. In order to receive an I-20 or DS-2019 from the University of Mount Union, the following documentation must be submitted:

1. Copy of the biographical page of the student's passport.
2. For students seeking a degree: bank statement, letter from the bank, or scholarship/funding letter showing at least the value of one academic year's worth of tuition, fees, living expenses (room and board) and health insurance.
3. For exchange students: a bank statement, letter from the bank, or scholarship/funding letter showing at least the cost of room, board, and health insurance for one academic year or one semester (this requirement varies depending upon the agreement between the exchange student's institution and Mount Union).
4. For teaching assistants: Mount Union covers the cost of tuition, fees, living expenses and health insurance for the duration of time a teaching assistant is here. Teaching assistants are also provided with a monthly stipend for the academic year. The teaching assistant's contract from the Center for Global Education will be forwarded to the Office of International Admissions as proof of funding for these students.
5. If the bank statement or letter is not in the student's name, completion of an affidavit of support from the student's sponsor is required, or completion of Mount Union's Commitment of Financial Backing (CFB) Form is required.
6. If transferring from another U.S. institution, Mount Union's SEVIS Transfer-in Form must also be completed.

Maintaining Immigration Status

Staff members at the University of Mount Union serve as Designated School Officials (DSO's) for F-1 visa holders and Responsible Officers (RO's) for J-1 visa holders. They are responsible for student and University compliance with U.S. immigration regulations, as well as reporting required data to the Department of Homeland Security (DHS) and the Department of State (DOS) through SEVIS. DSO and RO responsibilities include, but are not limited to the following:

- General immigration advising for students and dependents
- SEVIS record maintenance
- CPT (Curricular Practical Training) authorization
- OPT (Optional Practical Training) authorization
- AT (Academic Training) authorization
- Changes to degree program dates
- Address changes in SEVIS
- Reduced Course Load (RCL) requests and authorizations
- Extension to dates on I-20 or DS-2019's
- Reinstatement of immigration status petitions
- Status form travel signatures
- Mandatory health insurance requirements

Enrollment Requirements: International students are required to enroll each semester in a full course of study and make steady academic progress toward completing their degree program by the end date on their I-20 or DS-2019. For undergraduate

students, full time enrollment is at least 12 credits per semester. If a student needs to drop below a full course load, he/she must consult with the Office of International Admissions prior to dropping a course, or his/her immigration status may be terminated.

Employment for F-1 Students:

On-campus employment: F-1 students are permitted by the Department of Homeland Security to work on campus no more than 20 hours per week while school is in session. F-1 students may work full time during break periods, including summer. Please see Mount Union's Office of Student Financial Services for their policy on on-campus employment. *(Note: if a student is participating in the F-1 Dual Degree program, then that student is not eligible for on-campus employment).*

CPT (Curricular Practical Training): CPT authorization may be granted for work done on or off campus but only if it is an established curricular requirement of a degree program or being completed for course credit. F-1 students are eligible for CPT after completing one academic year. At Mount Union, students may work no more than 20 hours per week on CPT while school is in session but may work full time on CPT during break periods, including summer.

OPT (Optional Practical Training): The Office of International Admissions assists students in applying to the United States Citizenship and Immigration Services (USCIS) for OPT authorization to work in the U.S.

Note: Spouses and dependents in F-2 status may not work in the U.S. under any circumstances.

Employment for J-1 Students: Students and their dependents in J status are not permitted to work on-campus during their time at Mount Union.

Address Changes: F-1 and J-1 students are responsible for submitting a physical address and any changes to the Office of International Admissions within ten days of arrival or a move. The Office of International Admissions updates the address in SEVIS in order to comply with federal reporting requirements.

Additional Regulatory Requirements for J-1 Exchange Visitors:

- ***Health insurance:*** All international exchange visitors and dependents are required by the Department of State (DOS) to maintain health/medical insurance that meets DOS requirements outlined in the DS-2019. The insurance must cover the entire period of the exchange experience in order to meet regulatory requirements.
- ***Cultural Participation:*** The Office of International Admission and the Office of International Student Services, in compliance with the Department of State, requires all exchange visitors in J status to participate in cross-cultural activities that allow exchange visitors to share their own culture while learning more about the host culture.

Students on an F-1 or J-1 visa are required to abide by all the U.S. federal immigration regulations set forth by the Department of Homeland Security (DHS) and the Department of State (DOS) to remain in status during their studies here in the U.S. It is the student's responsibility to understand and follow these laws and regulations. Please seek the advice of a Designated School Official (DSO) or Responsible Officer (RO) if you are unsure of what certain regulations or laws mean for you as a student. Failure to comply with the laws and regulations set forth by the federal government could lead to dismissal from the University and/or deportation from the United States.

Returning Students/Readmission

A Mount Union student whose attendance at the University is interrupted, either by suspension or by withdrawal for any reason, must apply for readmission with the Office of the University Registrar in order to resume academic work at Mount Union. An extended absence may result in reassessment and/or adjustment of degree requirements. A student who has attended any other institutions since leaving Mount Union must submit official transcripts from each school attended before readmission will be considered; failure to submit official transcripts will result in a denial of readmission.

When the Office of the University Registrar identifies a student, who has been pursuing a degree for more than 10 calendar years, that office will request that the department(s) in which the student is doing his or her major and minor work complete a review of the student's record to date. This review would be to determine if any modifications should be considered or implemented in the student's program of study toward the major(s) or minor(s). Students who are on an approved Leave of Absence from the University are not required to apply for readmission.

Students may be readmitted to the University with additional conditions or requirements, as deemed appropriate by the University Registrar, a designee of the Office of Academic Affairs, or the Dean of Student Affairs. These additional conditions or requirements will be outlined in the student's readmission acceptance letter. Students returning from a military leave absence are not required to apply for readmission.

Students denied readmission for any reason, may appeal the decision to the Vice President for Academic Affairs. The appeal must be in writing within 5 days of the denial letter date. The decision of the Vice President for Academic Affairs is final.

Transient Students from Another Institution

A student who is regularly enrolled at another college or university but who seeks approval to register for classes at Mount Union as a transient in order to have credit transferred to the home institution must apply by submitting a transient application to the Office of the University Registrar. Although official transcripts are not required as part of the transient application process, a student seeking transient status at Mount Union must present evidence of good academic and disciplinary standing at the home institution. Following completion of the academic work, a transient student must request an official transcript be sent to the

home institution in order to transfer credit accordingly.

Post-Baccalaureate Students

Post baccalaureate status refers to students who have already completed an undergraduate degree, either at the University of Mount Union or at another regionally accredited institution, including those students applying for the accelerated nursing program. Post Baccalaureate students may be degree-seeking or non-degree seeking.

Post baccalaureate applicants must complete the online undergraduate application for admission and submit an official transcript from the institution in which the undergraduate degree was earned, and any subsequent official transcripts. Applicants must meet the minimum University requirements for admission, as well as the prerequisites for the classes they plan to enroll. Post baccalaureate applicants who have attended the University of Mount Union as an undergraduate student will contact the Office of the University Registrar for application and registration.

Advanced Placement

Mount Union encourages the taking of advanced placement courses. The University may award credit based on achieving the appropriate examination score on College Board Advanced Placement Examinations. See the Office of the University Registrar for a complete list.

International Baccalaureate

The International Baccalaureate (IB) Diploma Programme prepares high school students for success at the university level. The academically rigorous, internationally focused curriculum includes courses in six subject areas. Students taking year-end IB examinations may receive transfer credit at the University of Mount Union. Students should request a transcript from International Baccalaureate North America (IBNA) be sent directly to the University of Mount Union for an official credit evaluation. Students can visit the Office of the University Registrar for details about acceptable courses and scores for transferability.

College Credit Plus

Students who have completed regular accredited college courses while in high school through the College Credit Plus Program may, by having a copy of their transcript sent from the credit-granting college (not the high school transcript) be awarded credit according to Mount Union policy. General conditions of transferring credit also apply here. Entering students are required to take certain tests at the time of entrance to the University and are encouraged to take placement tests in applicable areas in order that they may begin course work at the proper level.

College Credit Plus Enrollment Options

The University of Mount Union's CCP Enrollment Options are designed to provide qualified students with the opportunity to complete college-level course work.

For consideration, applicants must meet the normal admission standard of the University. CCP acceptance will be based on the University's review of the following application materials: timely completion of the appropriate CCP application, transcripts reflecting all grades up to the time of application and any current courses in progress and a CCP recommendation form that has been completed by the school counselor or principal. ACT or SAT test score results (writing not required) must be provided by applicants seeking admission. Scores/Sub scores must also provide evidence that the students meet the remediation free standards as published on the site of the Ohio Board of Regents. If ACT or SAT tests have not been taken, the applicant will be required to take the University's placement test or submit current Accuplacer test scores to determine college readiness.

A letter of acceptance into CCP Program at the University site does not guarantee placement in any given course. Actual enrollment is dependent upon space availability with priority of course scheduling given to University of Mount Union undergraduate students. Normal course pre-requisites remain in place. In accordance with existing institutional policy, the University reserves the right to cancel any class if the minimum number of students is not enrolled.

While attending as a postsecondary student, each high school student attending Mount Union will receive grades and have a grade point average just like any other student attending the University.

Compliance Statements

Consumer Information Disclosures: As a prospective student, federal regulations stipulate that you have the opportunity to access various types of consumer information. If you wish to obtain a copy of the Campus Crime Report, please contact the Office of Admission. This report is published annually and includes information about campus security policies, procedures, and practices; and statistics for the occurrence, during the prior three calendar years, of criminal offenses that were reported to local police agencies or to a campus security authority. If you wish to obtain a copy of the Equity in Athletics Disclosure Act Report, please contact the Office of Admission. This report, which contains athletic program participation rates and financial support data, is compiled annually and available to the public.

Non-Discrimination Statement: The University of Mount Union prohibits discrimination on the basis of race, gender, gender identity or expression, sex, sexual orientation, religion, age, color, creed, national or ethnic origin, veteran status, marital or parental status, pregnancy, disability, or genetic information, in student admissions, financial aid, educational or athletic programs, or employment as now, or may hereafter be, required by university policy and federal or state law. Inquiries regarding compliance may be directed to the Human Resources Office, Beeghly Hall, (330) 829-6560.

Financial Aid for Undergraduate Students

The primary goal of the financial aid program at Mount Union is to assist students in meeting their University expenses by providing financial resources. Financial assistance from the University should be considered as supplemental to the family effort. The investment of the family includes parental support for dependent students and a contribution from the students themselves. Mount Union will strive to assist eligible students to the greatest extent possible based on the University's available resources.

Eligibility for Financial Aid for Traditional Undergraduate Students

To be eligible for financial assistance, the student must be classified as a full-time traditional undergraduate student and show satisfactory progress toward meeting the requirements for a degree. Institutional financial assistance is not available to post-baccalaureate or graduate students. Institutional financial assistance is also not available for the summer semester.

Consideration for institutional need-based grants will be available for up to 10 semesters or until completion of the degree, whichever is less. Students who wish to accelerate their program by attending the summer semester, may be eligible for limited types of assistance. The amounts and types of assistance for summer attendance are limited, and applications for such aid should be made preceding attendance.

Students must complete the Free Application for Federal Student Aid (FAFSA) in order to be considered for financial assistance based on financial need. Students apply online at studentaid.gov and the federal school code for the University of Mount Union is 003083. The student will be considered for state funds, federal grants such as Pell and TEACH Grant as well as federal loans and employment opportunities. University aid will be based on the assumption that students will apply for and receive other financial aid for which they are eligible. If additional aid or scholarships are received after the initial aid award has been given to the student, a review of the aid eligibility may require some adjustments so that the total award does not exceed federal, state or institutional guidelines and regulations.

Students who attend the summer semester at Mount Union may be eligible for financial assistance. Students may use federal funds such as Federal Loans for summer if they are eligible (according to the FAFSA). Any federal loans used for the summer sessions may reduce eligibility for the remainder of the year.

Satisfactory Academic Progress: Financial Aid Considerations

Federal regulations require the University of Mount Union to establish satisfactory academic progress (SAP) standards for student financial aid recipients. Mount Union's SAP policy measures a student's performance in the following three areas: cumulative grade point average (GPA), completion rate, and maximum time frame. The Office of Student Financial Aid is responsible for ensuring that all students who receive federal and state financial aid are meeting these standards. The Standards of Satisfactory Academic Progress apply for all financial assistance programs including but not limited to: Federal Pell Grant, Federal Perkins Loan, Federal Work-Study (FWS), Federal Supplemental Educational Opportunity Grant (FSEOG), Direct Student Loans, Direct Graduate and Parent PLUS Loans, as well as financial aid from the state of Ohio.

Satisfactory Academic Progress is reviewed annually following the spring semester. This review includes any courses taken during the summer semester. For example, the Spring 2017 review included the Summer 2016, Fall 2016, and Spring 2017 semesters in the calculation. Students who fail to meet the Standards of Satisfactory Academic Progress will be placed on financial aid suspension and lose eligibility for all federal Title IV and state financial aid programs. They will be notified, in writing, of this action. In addition, they will be provided the opportunity to appeal this decision based on mitigating circumstances that may have occurred during the year or semester that could not have been anticipated (see below).

Attempted Credit Hours. Credit hours attempted include all graded courses, transferred courses, pass/fail grades, satisfactory/unsatisfactory grades, withdrawals, incompletes, and repeats. All attempted hours are counted whether financial aid was received.

For transfer students, the figure used for "semester hours attempted" will be the sum of transfer credits accepted by Mount Union and the credits attempted here at Mount Union. For example, a transfer student who was granted six credits for transfer work and who has attempted 25 credits at Mount Union would have attempted a total of 31 semester hours for the purposes of this policy.

Pre-college (CCP) courses do not count toward credit hours attempted.

Non-credit remedial courses are not offered and do not count toward credit hours attempted.

Cumulative Grade Point Average. To retain financial aid eligibility, a student must be in "good academic standing," in terms of minimum cumulative GPA requirements. A student's academic standing is dependent upon the cumulative grade point average, attempted number of credit hours, and the degree a student is seeking. For a student to attain and/or maintain "good academic standing" at the University of Mount Union, the student must meet the following GPA requirements:

Second Degree Accelerated Bachelor of Science in Nursing

- A student must maintain a cumulative grade point average (GPA) of 2.0 or above.

Undergraduate Students (BA, BS, BM, and BSN)

- Have a 1.600 grade point average or higher and have attempted fewer than 31 semester hours.
- Have a 1.750 grade point average or higher and have attempted at least 31, but fewer than 48 semester hours.
- Have a 1.900 grade point average or higher and have attempted at least 48, but fewer than 64 semester hours.
- Have a 2.000 grade point average or higher and have attempted 64 or more semester hours.

A student may repeat a failed course as often as is necessary to pass and receive credit for the course. The course credit hours for each attempt are used in the calculation of the student's GPA unless the course was taken as a "Repeat for change of grade". All "Repeat for change of grade" course attempts will appear on a student's official academic record, but only the last attempt will be used in the calculation of the student's cumulative grade point average (the grade for the repeated attempt will appear in brackets).

Once a course has been successfully completed, a student can retake and receive financial aid for that same course only one additional time (one retake attempt). Successful completion of a course, for purposes of the Satisfactory Academic Progress calculation, are grades of A thru D-. All other grades, including Withdrawals and Incompletes will not be counted as a successful completion.

Incomplete grades are counted as unsuccessful attempts. Once an incomplete has been changed to an A, B, C, or D, it can be added to the number of hours completed for the term of the original registration. It is the student's responsibility to notify the Office of Student Financial Aid once an incomplete has been changed to a valid grade.

Withdrawals processed by the end of the first week are not recorded on the official academic record. Withdrawals processed after the first week but by the first day of the eleventh week (or by the end of the fifth week for courses that meet for only seven weeks) will be recorded as a "W" on the student's official academic record. A student withdrawing after the first day of the eleventh week of classes for any reason - other than medical or non-academic hardship - will receive grades of "F" which will be used in computing the cumulative grade point average. Note: For courses that are taught in only the first or second half of the semester, the withdrawal deadline will be the end of the fifth week of the course. A "W" is also applicable when a student, with the approval of the dean of students at the University, withdraws from a course anytime during the semester for a verified medical or other verified non-academic hardship. A "W" is not calculated in a student's grade point average.

Please note that credit hours attempted, and grades awarded for approved transient work taken at another institution are part of Mount Union credits attempted and are included in the calculation of grade point average.

Completion Rate. A student must also be making satisfactory academic progress in terms of completing courses. Completion Rate is calculated by dividing the total numbers of hours completed by the total number of hours attempted. All attempted hours are counted whether financial aid was received. A student enrolled at the University of Mount Union on a full-time basis is making satisfactory academic progress (SAP) if he or she successfully completes a minimum of 67% of the credit hours attempted.

Maximum Time Frame. A student must also complete his or her degree within 150% of the published length of the program as measured by credit hours attempted. At the University of Mount Union, this means in programs requiring 120 credit hours, the course work was successfully completed before a student reaches 192 attempted credits (150% time frame). Eligibility for financial aid will be terminated after a student reaches 192 attempted credits (150% time frame).

The 150% maximum time frame allowance for completion of the program is intended to be long enough to allow for changes in major, loss of credit due to transfer and withdrawn coursework; therefore, no extensions of the maximum time frame will be granted for those reasons.

Students seeking second degrees and students with double majors may reach the maximum timeframe standard at an accelerated pace under this policy. Students may appeal for the allowance of additional credit hours to complete their program.

Financial Aid Appeal Procedure. Students who have lost federal or state financial aid eligibility may appeal to the Office of Student Financial Aid if they have mitigating circumstances (e.g. emergency, health, family circumstances, etc.). A student must appeal in writing. Such appeals must provide an explanation for why the student failed to achieve Satisfactory Academic Progress and must include a statement explaining how the student will achieve Satisfactory Academic Progress in the subsequent semester. Additional documentation or letters of support may be requested. Students must also complete an academic plan with the University Registrar. A committee, consisting of three members of the Office of Student Financial Aid will review the appeal and notify the student of a decision.

If a student's appeal is denied, the student will be placed on financial aid suspension and will lose eligibility for all federal Title IV and state financial aid programs until they achieve the minimum financial aid SAP standards required by this policy.

Students who have been placed on financial aid suspension status may regain full eligibility for federal Title IV and state financial aid by successfully completing coursework while in that status. The student must raise their cumulative Grade Point Average to meet or exceed the requirement and meet the completion rate. Students who are Ineligible to receive federal Title IV or state student financial aid may use one or more of the following payment options while attempting to regain eligibility:

- Student's own resources
- The University of Mount Union Payment Plan
- Private Alternative Educational Loan Programs, although some private lenders require the student to meet Standards of Satisfactory Academic Progress policy requirements

Financial Aid Probation. If a student's appeal is granted, the student may continue to receive federal financial aid during the following semester and will be considered on financial aid probation. If after the following semester, the student succeeds and meets both the completion rate and GPA requirement, he or she will be removed from financial aid probation because he or she will be meeting satisfactory academic progress.

If a student fails to meet the completion rate or GPA requirement after the following semester, the Office of Student Financial Aid will determine if the student is meeting the terms of their academic plan. If the student is meeting the terms of their academic plan, they may stay on financial aid probation. If the student fails to meet the terms of the academic plan, the student will be placed on financial aid suspension and will be ineligible for title IV and state financial aid. Although students may utilize the appeal process again if this occurs, the same mitigating circumstances used in previous appeals may not be used again. The Committee will also take the number of prior appeals submitted into consideration when reviewing subsequent appeals.

Determination of Financial Aid Eligibility for Undergraduate Students

The University requires the Free Application for Federal Student Aid (FAFSA) to determine eligibility for need-based financial aid from federal aid programs, state grants and institutional funds. Students can access this website at studentaid.gov. Students are encouraged to file electronically. The Office of Student Financial Aid determines the financial aid award, which is consistent with federal, state and institutional guidelines. Changes that occur in the family's financial situation after the aid applications have been filed should be reported to the Office of Student Financial Aid for guidance. All financial aid documents must be processed by the last date of attendance or the last day of the semester, whichever comes first.

Adjustments to the financial aid award may be the result of submitting documents such as verification worksheets and special circumstance forms or result from a change in the student housing status (on-campus vs. off-campus vs. commuter). In addition, inaccurate information, notification of additional aid from outside sources, certification of Federal Parent PLUS or private loans could also cause changes. Amounts may vary due to changes in federal, state or University funding of programs. The student will be notified of each financial aid revision. Students are notified electronically.

Financial Aid Awarding Policies for Undergraduate Students

Housing Status: University policy requires freshmen and sophomores to live on campus or to commute from their parents' home. For purposes of the initial financial aid award, we will make the assumption that the student will reside on campus unless the FAFSA indicates "with parents." In the case of FAFSA non-filers, we will assume "on campus" unless notified otherwise by the family. Students should anticipate that their aid will change as a result of a change in housing status.

Enrollment Status: Financial aid awards for traditional students are based on full-time enrollment (12 semester hours per semester) unless otherwise indicated. It is the student's responsibility to check with the Office of Student Financial Aid if part-time attendance is desired. However, students enrolled less than 12 semester hours may be eligible for part-time Federal grants and/or a Federal Direct Loan (minimum of six semester hours).

Policy for Multiple Merit Awards: A merit-based scholarship or award is offered without regard for financial need. Students who may be eligible for multiple Mount Union scholarships and awards will receive at least the value of the highest scholarship or award. Consideration that is given for any portion of a second scholarship or award from Mount Union will be based on financial need and will require that the student file the Free Application for Federal Student Aid (FAFSA). The maximum award equals full tuition; students who receive a full tuition scholarship are not eligible for additional Mount Union scholarships or awards. All University scholarships, awards, and grants are coordinated through the Office of Student Financial Aid. Following the NCAA Division III philosophy, the University of Mount Union does not offer athletic scholarships. The University does award scholarships and financial aid for all students using the same policies and processes.

Financial Aid Application Procedures for New Undergraduate Students

The following steps are necessary in order to apply for financial aid at Mount Union:

- The student applies for admission to the University.
- The student files the Free Application for Federal Student Aid (FAFSA) online at studentaid.gov to determine financial aid eligibility for need-based financial aid. The federal school code for Mount Union is 003083. The process begins on October 1 of the student's senior year.
- The process of sending award offers begins in early December.

Financial aid awards are made throughout the year, but late applications will be considered only if funds are available.

Financial Aid Renewal Procedure for Undergraduate Students

All financial aid awards are reviewed annually to accurately analyze any changes in the financial position of the student and their family. The annual review also permits the University to take into consideration any change in educational costs. The following information relates to renewal of financial aid:

- File the Free Application for Federal Student Aid (FAFSA) online at studentaid.gov to apply for financial aid assistance. All renewal applicants are encouraged to complete their applications accurately and as early as possible after October 1.
- The Office of Student Financial Aid provides reminders to students via electronic communication on campus.
- Award offers are available to students after Spring registration.

Financial Assistance for Undergraduate Degree-Seeking International Students

An applicant who is not a United States citizen or eligible non-citizen shall be considered an international student and may qualify for merit based international student scholarships. To be eligible the student must be classified as full-time, meet the criteria for the scholarship award, and show satisfactory progress toward meeting the requirements for a degree. Merit scholarships are not available to any post-baccalaureate or graduate student or for the summer semester.

Types of Assistance for Undergraduate Students

The term "financial aid" is used to include scholarships, awards, grants, loans and on-campus employment. The majority of students receiving aid are granted a combination of these types of assistance.

The initial institutional merit-based award is offered without regard for financial need. Students who may be eligible for multiple institutional grants and/or scholarships will receive at least the value of the highest grant or scholarship. It is our policy not to "stack" multiple institutional awards on the basis of merit. Consideration that is given for any portion of a second grant/scholarship or award made up of the University of Mount Union dollars will be based on financial need and will require the student to file the Free Application for Federal Student Aid (FAFSA). Students can view a list of their awards on their award offer provided by Student Financial Aid. A list of awards can also be viewed at https://www.mountunion.edu/applying-for-financial-aid.

Veterans Benefits

The University of Mount Union neither sets policy nor administers V.A. programs. University personnel assigned to the office process the forms as a service to the student who is claiming V.A. educational benefits and acts as liaisons between the student and the Veterans Affairs Regional Office. Students who wish to receive benefits must report to the University of Mount Union certifying official in the Office of the University Registrar each semester to fill out a Request for Certification. In compliance with 34 CFR 21.4259(e) and 38 CFR 21.4253d)(9), the University identifies professional licensure programs related to VA educational benefits and posts all licensure requirements for those programs at VA Educational Assistance Benefits Disclosure.

Veterans Benefits and Transition Act of 2018

The University of Mount Union, in accordance with the Veterans Benefits and Transition Act of 2018 will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veteran Affairs. This policy is limited to tuition funds paid by the U.S.
Department of Veteran Affairs.

Title 38 United States Code Section 3679(e) Compliance

A Covered Individual is any individual who is entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment, or Chapter 33, Post-9/11 GI Bill® 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 University of Mount Union permits any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates: 1) The date on which payment from VA is made to the institution, or 2) 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

The University of Mount Union will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any

covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

Professional Licensure Disclosure

On July 1, 2020, Federal Regulations were enacted to include enhanced Department of Education professional licensure disclosure and notification to enrolled and prospective students. In accordance with 34 CFR 668.43(a)(5)(v) and 34 CFR 668.43(c), the University identifies professional licensure programs and posts educational requirement determinations for those programs at Professional Licensure Disclosure. The following is additional information about student notification.

What is a "professional licensure" program?

A professional licensure program is an academic program that is designed, marketed and/or advertised to meet the educational requirements

- for a specific license or certification and
- is required for employment in an occupation

What is a professional licensure disclosure?

A professional licensure disclosure is a requirement by the U.S. Department of Education for all colleges and universities to communicate publicly and directly to prospective and current students about

- academic programs that will or will not fulfill educational requirements for a specific professional licensure that is required for employment in that field; and
- academic programs that meet or do not meet the education requirements for licensure for each state and U.S. territory regardless of the delivery mode of the program.

How will Mount Union determine a student's location?

- A prospective student's location is determined by their permanent address listed in the admissions system.
- A current student's location is determined by their active permanent home address listed in the primary student information system.

How will disclosures be communicated to students?

- If a prospective student has indicated a professional licensure program as their academic interest, a disclosure will be sent by the Office of Admissions at the time of acceptance.
- If a current student declares a professional licensure program as their major, a disclosure will be sent by the University Registrar at the time of declaration.

Additional Financial Aid Information

Study Abroad Program: A number of financial aid programs are available to offset the educational expenses for a study abroad program for eligible students who are full-time and who have been approved by the Center for Global Education of the University. Contact the Office of Student Financial Aid for further information.

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Tuition & Costs

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Tuition and Costs

Table of Fees, 2026-2027

Full Time Undergraduate Fees Per Semester	**Amount**
Tuition and Fees	$ 19,150
Technology Fee	$ 250
Program Fee *(Nursing Students Only)*	$ 325
Program Fee *(Admit to Teacher Ed Program)*	$ 120
Standard Room	$ 3,175
Suite-style Room – **Add $400**	$ 3,590
Single Room: Additional Amount	$ 800
Super Single *(Double Buy Out):* Additional Amount	$ 1,050
Apartment-Style - Union Apartments	$ 4,265
Apartment-Style - Hartshorn / Union Townhouses	$ 4,320
Apartment-Style – Goris Apartments – Single (monthly)	$ 775
Apartment-Style – Goris Apartments – Double (monthly)	$ 550/$975
Graduate Apartments – Studio	$ 700
Graduate Apartments – Single *(monthly)*	$ 800
Graduate Apartments – Double *(monthly per person)*	$ 575/$1,000
Sigma Nu	$ 3,125
Sigma Nu / Super Single	$ 4,250
ADP, ATO, PKT / Single	$ 3,175
ADP, ATO, PKT / Super Single	$ 4,225
Board Plan Only	
Unlimited Meals per week + 10 meal equiv.	$ 3,175
16 meals per week plus $100 Dining Dollars	$ 3,175
11 meals per week plus $300 Dining Dollars	$ 3,075
7 meals per week plus $400 Dining Dollars	$ 2,975
Block meal plan - any 50 meals	$ 500
Block meal plan - 50 meals - breakfast and lunch only	$ 415
Block meal plan - any 25 meals plus $100 dining dollars	$ 500
Undergraduate Overload Fees (Over 20 Semester Credit Hours)	
Per semester hour	$ 950
Summer Fees 2026	
Undergraduate Classes *(per semester hour)*	$ 495
Room *(per week / per person)* - Regular	$ 125
Room *(per week / per person)* – Sigma Nu	$ 125
Undergraduate Part-time Fees	
Per semester hour	$ 1,625
Technology fee	$ 125
International Student Teaching Fee	
Per semester hour	$ 800
Accelerated BSN – Program Fees	
Technology Fee per term/semester	$ 250
Program Fee per term/semester	$ 325
Tuition per Credit Hour	$ 500
Enrollment Deposit	$ 200
Applied Music Fees (University Student with Music Faculty)	
Fifteen 30 min. lessons – 1 credit hour	$ 525

Fifteen 60 min. lessons – 2 credit hours	$ 1,050

Incidental Fees

Admission Application	No Fee
Undergraduate Enrollment Deposit	$ 150
International Undergraduate Enrollment Deposit	$ 1,000
Comprehensive Deposit *(required of all new traditional students)*	$ 150
Parking Fee	
Fall/Spring semesters (full year)	$ 100
Spring semester only	$ 60
Graduation Application Fee	$ 100
Graduation Application Fee Late (after October 1)	$ 150
Study Abroad Application Fee (includes all USAC, direct exchange, and faculty-led trips)	$ 100
Athletic Participation Fee (Graduate Programs Only)	$400
Lost Key / Lock Change	$ 90
Lost Purple Plus I.D.	$ 25
Housing Cancellation	$ 150
Returned Check for Non-Sufficient Funds	$ 45
Stop Payment Fee	$ 35
Transcripts *(Ordered in the Office of the University Registrar)*	$ 10
Transcripts *(Ordered through 3rd party service, includes $3 processing fee)*	$ 15
Technology Fee for course audit *(age 60 and over)*	$ 50
Early Withdrawal	$ 150
Late Registration Fee	$ 50
Diploma Reprint	$ 100
Library – Lost Book Charge	$ 75
OhioLINK – Lost Book Charge	$ 125

Course Fees (Non-refundable after 1st week of class)

ART 100A	$ 40
ART 110	$ 55
ART 120	$ 40
ART 210	$ 40
ART 215	$ 40
ART 220	$ 40
ART 225	$ 40
ART 230	$ 40
ART 235	$ 40
ART 320	$ 40
ART 330	$ 40
ART 335	$ 40
ART 346	$ 40
BIO 200	$ 20
BIO 210	$ 35
BIO 211	$ 35
BIO 240	$ 40
BIO 280	$ 100
BIO 295	$ 100
BIO 300	$ 100
BIO 305	$ 40
BME 210	$ 60
BME 320	$ 60
BME 424	$ 60
CHE 108N	$ 50
CHE 110N	$ 50

CHE 115	$ 50
CHE 120N	$ 50
CHE 210	$ 50
CHE 212	$ 50
CHE 214	$ 50
CHE 220	$ 50
CHE 231	$ 50
CHE 270	$ 75
ECE 330	$ 50
EGE 110	$100
EGE 120	$100
EGE 320G – Travel	$ 3,050
EME 350	$ 65
EXS 210	$ 65
MKT 399 - Travel	$ 2,430
PHY 101N	$ 50
PHY 102	$ 50
PHY 230V	$ 75
SPE 205	$ 300
THE 144	$ 80

Student Charges

Tuition, fees, room and meal plan are payable to the Office of Business Affairs by July 31 for fall semester and January 3 for spring semester. A monthly payment plan with minimal application fee is also available. Information is available at the Office of Business Affairs.

A student who is enrolled for 12 or more hours in one semester must pay full tuition and fees. A student who enrolls for more than 20 semester hours is subject to an overload fee per semester hour. A regularly registered full-time student in either semester is one who has paid full tuition and fees for that semester. A part-time student in either semester is one who has paid less than full tuition for that semester.

Tuition and fees should be paid at the Cashier's Office, and all checks should be made payable to the University of Mount Union.

Payment of tuition and fees entitles the student to the use of science laboratories and science materials, use of the University Health Service and University Library, subscription to the University newspaper, admission to all regularly scheduled intercollegiate sports events held on the campus, and University theatre and music presentations.

In addition, tuition and fees include premiums for an accident insurance policy on each student in attendance full-time and also are designated annually for the operation of the Hoover-Price Campus Center, and class dues.

A technology fee will be charged to each student in order to upgrade and maintain computing resources, services and technologies across the campus.

Advance Deposit Payment of Regular Fees

To enable the University to confirm and assign classroom and residence hall space in advance, each new student contemplating full-time attendance must make an advance payment of $150. Checks should be made payable to the University of Mount Union.

New students are to make advance payments after admission to the University and as notified in their acceptance letter or in their financial aid award.

The University makes no guarantee of classroom or rooming space to students having been admitted or preregistered who have not made advance payments as required.

New students applying for admission for the fall semester may receive a refund of the advance payment providing written notification of withdrawal is received and postmarked prior to May 1. Refunds will not be made after this date.

Private Music Lessons for University Students

Private instrumental and vocal study is available for credit to Mount Union students. University students register for applied lessons through the Office of the University Registrar to receive appropriate academic credit. All fees for university applied lessons are paid at the Office of Business Affairs.

Student Fees (per Semester)

Student fees for private music lessons taught to Mount Union's full-time students by members of the music faculty are as follows:

Semester	(15) 30 min. lessons	(15) 60 min. lessons
Fall or Spring Semester	$525	$1,050
Summer sessions	$525	$1,050

Part-time students must pay the charges listed above as well as applicable tuition charges. Lessons missed by the teacher are made up at a time acceptable to both teacher and student. Lessons missed by the student will not be made up except in cases of serious illness or emergency. No tuition refund will be given for missed lessons. If a student withdraws after the first week of classes, no refund will be given. Lessons should be completed within the semester for which registration is made. Private music lessons are not available for audit.

Private Music Lessons for the Preparatory Division (Non-University Students)

Private instrumental and vocal lessons are available for non-University students of all ages and levels of advancement through the University of Mount Union Preparatory Division. All information about Preparatory Division policies, fees, and registration is available at the Visual and Performing Arts Office in Cope Music Hall. Payment for lessons is to be made at the Visual and Performing Arts office.

Lessons are arranged at a time mutually convenient to the teacher and student. No lessons may be given in the Preparatory Division until registration is completed. Payment is made for the entire semester, or in two installments.

Preparatory Division faculty includes full-time and adjunct music faculty from the Department of Music and student intern teachers from the Department of Music. Student teachers are supervised by the director of the Preparatory Division.

Lessons will not be made up except in the event of extended illness. No tuition refund will be given for unexcused absence from lessons. Preparatory Division lessons must be completed within the semester for which the registration and payment are made.

Preparatory Division Music Lesson Fees (non-University students)

Non-University student fees for Preparatory Division music lesson fees are as follows:

Rate	Charge per Lesson	Total Charge to Student
With Faculty Instructor:		
15 Half-hour Lessons	$20	$300
15 One-hour Lessons	$40	$600
13 Half-hour Lessons	$20	$260
13 One-hour Lessons	$40	$520
With Student Instructor:		
15 Half-hour Lessons	$10	$150
15 One-hour Lessons	$20	$300

Withdrawal Fees and Refunds

The official Withdrawal Process for purposes of financial aid and institutional policy can be found under the "Drop/Add/Withdrawal Policy."

Withdrawal Process

A student who wants to withdraw after classes have started for the semester initiates the process with the Office of Student Affairs to indicate that he/she is withdrawing. The official date of withdrawal is the date the student contacted the Office of Student Affairs OR the midpoint of the semester if the student leaves without notifying the institution OR the student's last date of attendance at a documented academically related activity. This policy applies to students who withdraw from all of their classes for the semester or are suspended.

Students who withdraw prior to the beginning of the academic term or during the drop/add period shall be refunded 100% of tuition, fee and room charges and assessed an early withdrawal fee of $150 as well as a room cancellation fee of $150 if living in campus housing.

Students who withdraw from the University entirely according to the process described above are eligible for a partial refund of tuition and fee charges according to the following schedule:

Week Number	Refund Percentage	Charge Percentage
Week1	100%	0
Week 2	75%	25%
Week 3	50%	50%
Week4	25%	75%
Week 5 and after	0%	100%

Room and board charges are prorated on a weekly basis up through the 60 percent point of the semester. After this point there is no refund for room and board.

Application fees, laboratory fees and other course fees are not refundable after the add/drop period.

Return of Federal Title IV Funds

The federal government mandates that students who withdraw from all classes may keep only aid earned up to the time of withdrawal. This policy applies to all students who received Title IV funds (Direct Loans, Direct PLUS loans, Federal Pell Grants, Federal SEOG, and TEACH) and withdrew from all their classes prior to completing 60% of the semester for which the aid was provided. A student earns their federal aid on a pro-rated basis and is not considered to have earned 100% until they attend past the 60% point of the semester.

The return of federal title IV funds policy is a pro-ration of earned versus unearned financial aid. The earned financial aid percentage is determined by dividing the days attended in the semester by the total days in the semester with an allowance for any scheduled breaks that are 5 or more days in length (i.e., student withdraws on the 5th day of the semester which has 110 days, 5/110 = 5 percent earned). Subtracting earned aid from aid that was awarded and disbursed gives you the amount of unearned aid that must be returned. The responsibility to repay unearned aid is shared by the institution and the student in proportion to the aid each is assumed to possess. The student may be billed by the University of Mount Union for any account balance created when the University is required to return funds. The balance due would be the result of tuition charges that are no longer being covered by the unearned aid or unearned aid that the student received in a refund check. The calculation must be performed within 30 days from the student's withdraw date. A school must always return their portion of any unearned Title IV funds within 45 days of the date the school determined the student withdrew.

Under the Return of Federal Title IV funds policy, the programs are reimbursed in the following order:

1. Federal Direct Unsubsidized Loan
2. Federal Direct Subsidized Loan
3. PLUS Loan
4. Grad PLUS Loan
5. Federal Pell Grant
6. Federal Supplemental Educational Opportunity Grant
7. TEACH Grant

Withdrawal dates are determined in one of the following ways, depending on the situation:

1. The date the student notifies the Office of Student Affairs or another office on campus.
2. The date the student is officially dismissed from the University.
3. The last date of documented academic attendance.
4. In the case of unofficial withdrawals, it is the mid-point of the period of enrollment or last date of documented academic attendance.

A Post-Withdrawal Disbursement

A student qualifies for a post-withdrawal disbursement if their earned aid is more than the amount disbursed to them. The Office of Student Financial Aid will notify the student in writing via email or letter of their qualification for a post-withdrawal disbursement. The student has 14 days from the date of the letter to accept or decline the post-withdrawal disbursement. In the event the Office of Student Financial Aid does not receive a response from the student within 14 days, the post-withdrawal is forfeited. A school must offer any post-withdrawal disbursement of loan funds within 30 days of the date the school determined the student withdrew. A school must return any unearned funds and make a post-withdrawal disbursement of grant funds within 45 days of the date the school determined the student withdrew. The Office of Student Financial Aid recognizes if a student withdraws and is entitled to a post-withdrawal disbursement it will be applied to charges still owed to the University, and any excess will be refunded to the student.

Return of State Grant Funds

In addition to calculating all Title IV funds the student received, we calculate state funds according to the State Refund Policy.

Institutional Grants or Scholarships

Institutional Financial Aid is earned based on the tuition refund schedule:

Week Number	Percent of Institutional Aid Earned
Week1	0%
Week 2	25%
Week 3	50%
Week4	75%
Week 5 and after	100%

Adjustments

After the proper refund/repayment to Title IV, state, and institutional funds are determined, then adjustments are made to the student's award. Adjustments are reflected in the Office of Business Affairs final billing, and notification is sent to the student.

Refund Appeal Process

If a student believes that individual circumstances warrant exceptions from published refund policies, they should appeal the decision by sending a written letter of appeal to the President's Council, University of Mount Union, 1972 Clark Ave., Alliance, OH 44601.

Other Information

The Comprehensive Deposit. A comprehensive deposit is required of all new students. It serves to guarantee payment of possible residence hall damage, library fines, laboratory breakage, and other charges not paid when billed. The unassessed balance of this one-time deposit is refundable when leaving the University of Mount Union permanently.

The Transcript Fee. The transcript fee is charged for each transcript issued. For student's not receiving Title IV funds, financial obligations to the University must be met before transcripts are issued. If a student, regardless of Title IV funding, has an outstanding balance with the institution, a note will be added to the official transcript noting there is an outstanding balance.

Student Employment Forms. All students who will be working at the University must complete the following forms in the Office of Human Resources before the actual work begins in order to receive their payroll checks: Form I-9, Form W-4 and Form IT-4. To complete the I-9 Form one must have a valid U.S. Passport or two other forms of identification (valid driver's license and Social Security Card or birth certificate).

Return of TA Funds Policy

This policy applies to all students who received TA funds and withdrew from all their classes prior to completing 60% of the semester for which the funds were provided. A student earns their TA funds on a pro-rated basis and is not considered to have earned 100% until they attend past the 60% point of the semester. After the 60% point, no TA Funds will be returned. The return of TA Funds policy is a pro-ration of earned versus unearned funds. The earned funds percentage is determined by dividing the days attended in the semester by the total days in the semester with an allowance for any scheduled breaks that are 5 or more days in length (i.e., student withdraws on the 5th day of the semester which has 110 days, 5/110 = 5 percent earned). Subtracting earned funds from funds that were disbursed, gives you the amount of unearned funds that must be returned to the appropriate Military Service. The student may be billed by the University of Mount Union for any account balance created when the University is required to return funds. The balance due would be the result of tuition charges that are no longer being covered by the unearned funds.

Date	Day	Refund %
1/11/2021	1	0.9%
1/12/2021	2	1.7%
1/13/2021	3	2.6%
1/14/2021	4	3.5%
1/15/2021	5	4.3%
1/16/2021	6	5.2%
1/17/2021	7	6.1%

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Student Life

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Student Life

Campus Citizenship

Campus citizenship at Mount Union is based upon ideals embodied in the statement of the goals of the University. The University has declared its position as that of a community of scholars and learners in which cooperation and concern are distinguishing characteristics, and it has further stated that it is expected that all persons within the community be responsible and maturing academic citizens. Each person should treasure and maintain their own dignity while respecting the rights and privileges of others.

The standards of campus citizenship serve as guides to the development and enforcement of specific regulations, which may be found in the codes of rules dealing with the various aspects of campus life. Those who enroll and continue in this institution are expected to give evidence of understanding of and willingness to abide by the following principles:

It is expected that all students enrolled in Mount Union will take seriously their obligations to maintain standards of personal and social behavior befitting maturing and responsible campus citizens. Respect for the rights, privacy and property of all members of the campus community is a primary consideration.

We believe that a Christian university must be committed to the principles of honesty and integrity in the classroom and other campus affairs. It is expected, therefore, that all members of this community will identify themselves with the principles of honesty and academic integrity.

Students whose behavior demonstrates inability to understand or unwillingness to abide by the requirements set forth by the University are subject to disciplinary action, which may include suspension or dismissal from the University. A complete listing of student rights and responsibilities can be found in the Student Handbook, which is available on the Mount Union website.

Alcohol, Drug and Wellness Education

The Office of Alcohol, Drug, and Wellness Education serves to provide a 3-pronged approach to education, programming, and student growth and development: (1) individuals; (2) student body as a whole; and (3) university and the greater community. Through holistic education, prevention, and counseling, the Office underscores the University's mission to prepare students for meaningful work, fulfilling lives, and responsible citizenship. By focusing on making healthy choices including responsible drinking, sexual education, and drug prevention, the office works collaboratively with faculty, staff, and students to develop proactive programming, education, and counseling opportunities.

Campus Card and Facilities Scheduling

All facilities on campus must be scheduled through the Office of the University Registrar and the Academic Systems Unit of Academic Affairs, which maintains an accurate schedule of all activities occurring on campus and other events of interest related to Mount Union wherever they may take place. This provides one central location where an event can be scheduled, and details arranged for use of any facility on campus. Faculty or staff can reserve facilities by creating an EMS account located at http://calendar.mountunion.edu/VirtualEMS and reserving a room online or by calling (330) 829-2877. Once a room is requested, the Director of Camps and Conferences will review the request for approval and if approved, a confirmation e-mail will be sent to the faculty or staff member requesting the reservation. Student organizations can reserve facility space using the online system located on *Raider Experience*. The calendar of events can be viewed from the Mount Union home page.

Purple Plu$ Cards

All students, faculty and staff receive a Purple Plu$ Card. The card is used to access residence halls and meals, check out books in the library or as a debit card at various locations on campus as well as certain authorized off-campus vendors. The card is the property of Mount Union and is non-transferable. There is a $25.00 fee for the replacement of lost cards and there is a variable fee for broken/damaged cards. Replacement for first broken/damaged card is $5.00, second card is $10.00, and third card is $15.00. Replacement of broken /damaged cards requires that the recognizable pieces be presented to the Office of Student Affairs. If the broken pieces are not recognizable, a $25.00 fee will be charged for the replacement. In order to protect personal funds and maintain security, students should deactivate their cards online at https://www.mountunion.edu/purple-plus-card in the event that their ID card is missing, and the issuing office is closed.

To obtain a new card, please visit the Office of Campus and Conferences or Student Affairs in the Hoover-Price Campus Center. The office is adjacent to the Information Desk. For more information, call (330) 823-6018 or visit https://www.mountunion.edu/campus-life/living-at-mount/purple-plu-card or email purpleplus@mountunion.edu.

Campus Recreation

Campus Recreation contributes to the Mount Union experience by providing quality facilities, programs and services to all members of the campus community. Throughout the year the recreation staff offers a variety of fitness programs and intramural

sport activities. The McPherson Academic Athletic Complex (MAAC) consists of cardio machines, free weights, nautilus equipment, an aerobic room, pool and auxiliary gymnasium. The Peterson Field house has a 200 meter track, two basketball courts, four tennis courts and four volleyball courts. During the academic year students, faculty and staff may participate in intramural sports such as flag football, sand night volleyball, innertube water polo, basketball, indoor soccer and many more. Fitness programs such as yoga, step aerobics, zumba and pilates are offered as well. The wide variety of programs allows members of the Mount Union community to be physically active in a safe and fun environment.

Counseling Services

The aim of counseling at Mount Union is to assist students in living as well as possible. Counseling here is a partnership; people working together to find solutions and possibilities in life. The two full-time counselors in the Office of Counseling Services work to help Mount Union students sort out life's problems and move toward life goals. Counseling Services is located in the Family Medical Center located at 146 E. Simpson St. Free, short-term counseling services are provided by appointment to enrolled students. Counseling appointments are scheduled during daytime business hours and can be made by calling (330) 823-2886.

The primary service requested by students is individual counseling. During counseling, students typically discuss problems with relationships, adjusting to college life, stress or burnout, the death or illness of a friend or relative, academic difficulties, career or work decisions, substance abuse problems, family dilemmas, sports injuries or setbacks, the effects of violence or prejudice and/or balancing school, work and social life. Counseling allows students to address life problems typically faced by college students. If a student needs long-term, intensive out-patient, or in-patient treatment an appropriate referral will be made. In addition, there are no psychiatric services available, referrals are made for students to receive such services off campus.

Students experiencing serious emotional, medical or behavioral problems (including but not limited to suicidal or homicidal thoughts or actions, eating disorders, substance addictions and disorders which impair the ability to think logically or relate with others constructively) are referred for outside treatment, often with the aid of parents or guardians. To promote safety and recovery, students who seem a danger to themselves and/or others may be withdrawn from the University.

As time allows, other services include presentations and consultation. Presentation subjects might include creating good relationships, learning relaxation methods, finding the right path in life, making and reaching goals and communicating effectively with friends and loved ones. In addition, the staff consults with students on mental health, relationship or general life decisions or concerns.

Diversity and Inclusion

The Office of Diversity and Inclusion falls under the Office of Student Affairs, reporting to the vice president for student affairs and dean of students. Diversity and Inclusion primarily serves as a resource for students of color in matters of academic, social, cultural, and personal well-being. However, the office also offers services to all students who are interested in/concerned with issues of diversity within the campus community. Mount Union believes that an appreciation of diversity among campus constituencies creates a welcoming campus environment that is crucial to the success of all students.

The Office of Diversity and Inclusion actively works to enhance the quality of student life on the Mount Union campus by providing programs, services and other educational opportunities that contribute to student learning and growth. While student needs are the primary focus, diversity focused programming is available to the entire Mount Union community during the academic year.

Student Accessibility Services

Mount Union values disability as an important aspect of diversity and is committed to providing equitable access to learning opportunities for all students. Student Accessibility Services (SAS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations based upon appropriate documentation, nature of the request, and feasibility.

If you have or think you have a temporary or permanent disability and/or medical diagnosis in any area such as, physical or mental health, attention, learning, chronic health, or sensory, please contact SAS. The SAS office will confidentially discuss your needs, review your documentation, and determine your eligibility for reasonable accommodations.

Accommodations are not retroactive, and the instructor is under no obligation to provide accommodations if a student does not request an accommodation or provide documentation. Students should contact SAS to request accommodations and should discuss their accommodations with their instructor as early as possible in the semester. You may contact the SAS office by phone at (330) 823-7372; or via e-mail at studentaccessibility@mountunion.edu.

Center for Global Education

The Center for Global Education offers a variety of international opportunities for living and learning abroad. The Center advises students during the study abroad process and assists faculty with travel seminars and visiting professorships.

Health Center

Purpose and Support of Institutional Goals: The Health Center focuses on health promotion, health protection, health education, disease prevention and clinical care. The main purpose of the Heath Center is to provide medical care for students who have short term illness and injuries, so they can be restored to their optimal level of good health and remain in class. The Health Center staff recognizes that good health contributes to the academic success of students. Good health contributes to the productivity and success of students and helps them achieve their academic, social, athletic, career and personal goals.

The Health Center supports the institutional mission of the University to "prepare students for meaningful work, fulfilling lives and responsible citizenship." The Health Center helps individuals achieve their optimal level of wellness, so they can face challenges that enable them to obtain meaningful work, lead fulfilling lives and be responsible citizens.

Location and Hours: The University of Mount Union Student Health Center is located in Alliance Community Hospital's Professional Office Building at 270 E. State Street, Suite 200. Campus Security is available to provide transportation to the Student Health Center if needed.

The student Health Center is open Monday through Friday, with nurses on duty from 8:00am to 4:00pm during the academic year when classes are in session; a physician is available 10:45am to 12:15pm and a Physician Assistant from 12:00pm to 3:45pm. Summer hours are 8:00am to 12:00pm, with nurses on duty.
No appointment is necessary. The Student Health Center can be reached at 330-596-7995.

Services: The Health Center functions as an ambulatory care center. Services include health promotion, health protection, health education, disease prevention and clinical care. Preliminary diagnostic work, preventative medicine and the care of short-term illness and injuries are services provided. The Health Center staff provides students with opportunities for learning outside the classroom. The Health Center celebrates many national health observances, and the staff teaches students about healthy lifestyles, health promotion, disease prevention, safety and self-care issues. There is no charge to see a nurse or physician, however if a diagnostic test is ordered, the student will be responsible for any amount not covered by their insurance.

Emergency Information: Students who have medical emergencies should go to the emergency room at the nearest hospital. The nearest hospital in Alliance is Alliance Community Hospital.

After Hours Care: In case of minor illness and injuries that occur after Health Center hours, students may use an urgent care center, such as an immediate care facility, or the hospital. Students, however, will be liable for expenses incurred unless the medical care is covered by insurance. Students who need assistance in making arrangements for afterhours care should contact their resident directors or community educators. Those students who receive medical care after hours must contact the Health Center the next day to follow up with the physician and complete an insurance claim form.

Policy Statement for Follow-Up Care: It is the policy of the Student Health Center that students who obtain diagnostic tests, medical consultations or other treatments at the Student Health Center receive appropriate follow-up care. If a student has an x-ray, diagnostic test or medical consultation, the results will be provided to the student during their follow-up appointment at the Health Center. It is the student's responsibility to return to the Health Center to obtain x-ray and diagnostic test results or to receive follow-up care. Unless the x-ray, diagnostic test or medical consultation indicates a serious and/or emergency medical condition, the staff will make one telephone call to the student to inform them of the need to return to the Health Center, to schedule or reschedule appointments, or to follow-up with any treatments or other care. If a student is not available when the telephone call is made, the Health Center staff will contact the student by e-mail.

Health Requirements Prior To Arrival on Campus: The required health forms for all freshmen and transfer students are available at www.mountunion.edu/health-center-forms. All students are required to have a completed immunization record as well as other health information forms on file at the Health Center prior to their arrival on campus. The completed forms are mandatory. Athletes are required to have a physical exam.

Mandatory immunizations include: Two doses of MMR (Measles, Mumps and Rubella) vaccine and a Tetanus-Diphtheria booster or Tdap booster within the last 10 years. Refer to the immunization forms for details.

University freshman living in the close quarters of dormitories are at higher risk of meningococcal disease compared with peers the same age who are not attending the University. The ACHA, ACIP and CDC recommend University freshmen living in dormitories be immunized to reduce disease risk. Other University students may choose to receive the meningococcal vaccination to reduce their risk for the disease.

Ohio law states institutions of higher education shall not permit a student to reside in on-campus housing unless the student (or parent if the student is younger than 18 years of age) discloses whether the student has been vaccinated against meningococcal disease and hepatitis B by submitting a meningitis and hepatitis B vaccination status statement. Additional information about the diseases, the vaccines and their effectiveness and status statements can be viewed on the Ohio Department of Health webpage: www.cdc.gov/vaccines/acip/index.html .

Membership: The Mount Union Health Center is a member of the American College Health Association and the Ohio College Health Association.

Student Insurance: Federal health care reform requires all full-time students to be covered by an adequate health insurance policy. The University offers a student health insurance plan for a premium. The details of the policy can be found at www.studentplanscenter.com. All full-time students will automatically be covered under this plan unless they are covered by an

existing plan. Those students covered by an existing health plan may waive the University-offered plan by completing an on-line waiver form which in available on the University Health Center website at www.mountunion.edu/health-center.

All full-time students will be enrolled in an Accident-Only plan at no cost to the student. The plan provides a maximum benefit of $1,000 per covered injury. This may be used in conjunction with other plans and with the intercollegiate athletic insurance provided by the University of Mount Union. More information on the Accident-Only plan can be found at www.studentplanscenter.com or by contacting the Health Center.

Intercollegiate Athletics

Mount Union is a Division III member of the National Collegiate Athletic Association (NCAA) and the Ohio Athletic Conference (OAC). All athletic contests are conducted under the rules and regulations of these associations. Student-athletes have the same privileges and responsibilities as other students.

A diversified program of 13 intercollegiate sports for men and 11 intercollegiate sports for women is maintained. Men's sports are baseball, basketball, cross country, football, golf, lacrosse, indoor track and field, outdoor track and field, soccer, swimming and diving, tennis, volleyball and wrestling. Women's sports include basketball, cross country, golf, lacrosse, indoor track and field, outdoor track and field, soccer, softball, swimming and diving, tennis and volleyball. A professional medical staff, including certified athletic trainers, supports the student-athletes of Mount Union.

The Committee on Athletics is appointed by the president and serves in an advisory capacity and makes athletic policy recommendations to the president. Actions of the committee are regularly reported to the faculty and are subject to faculty approval. The ultimate responsibility and authority for the administration of the athletics program, including all basic policies, personnel and finances, are vested in the president of the University. The intercollegiate athletic program operates separately from the academic programs in physical education, health education, athletic training, exercise science and sport management.

Mount Union annually completes the NCAA Gender Equity Survey. Under the Equity in Athletics Disclosure Act, this report is available for review in the Office of Academic Affairs upon request.

Intercollegiate Athletics Philosophy

Mount Union adopted the following principles as guidelines for our intercollegiate athletics program:

- The educational values, practices and mission of Mount Union determines the standards by which we conduct our intercollegiate athletics program.
- The highest priority is placed on the overall quality of a student's educational experience and on the successful completion of a student's academic program.
- The welfare, health, safety and academic progress of student-athletes are primary concerns of athletics administration on Mount Union's campus.
- Every student-athlete – male and female, majority and minority, in all sports – will receive equitable and fair treatment.
- The admission of student-athletes to Mount Union and the financial aid for student-athletes at Mount Union will be based on the same criteria as that of non-athletes.
- Student-athletes, in each sport, should be graduated in at least the same ratio as non-athletes who have spent comparable time as full-time students.
- The development of sportsmanship and ethical conduct in all constituents, including student-athletes, coaches, administrative personnel and spectators is encouraged. An atmosphere of respect and sensitivity to the dignity of every person, including on the basis of age, color, disability, gender, national origin, race, religion, creed or sexual orientation, will be promoted.
- The time required of student-athletes for participation in intercollegiate athletics shall be regulated to minimize interference with their opportunities for acquiring a quality education in a manner consistent with that afforded the general student body.
- All funds raised and spent in connection with intercollegiate athletics programs will be channeled through the institution's general treasury – not through independent groups, whether internal or external. The Office of Athletics' budget will be developed and monitored in accordance with general budgeting procedures on campus.
- Annual academic and fiscal audits of the athletics program will be conducted.

Statement Concerning Sportsmanship/Ethical Conduct of the University of Mount Union Intercollegiate Athletic Teams

The University of Mount Union expects high standards of honesty, integrity and behavior in the conduct of intercollegiate athletic competition.

It is the responsibility of coaches, student-athletes, administrators and other athletic personnel of the University of Mount Union to recognize the significance of their behavior as visible members of the campus and local community. These participants are, therefore, expected to live up to their responsibility by demonstrating good sportsmanship.

Inappropriate conduct on the part of coaches, student-athletes, administrators or other athletic personnel, which includes the use of alcohol or controlled substances, verbal or physical abuse, or demeaning words or actions toward officials, coaches, players or fans is unacceptable and will not be tolerated.

Existing rules for athletic competition that deal with sportsmanship/ethical conduct will be fully enforced at the University of Mount Union. Where existing rules are inadequate, the expectations of the University of Mount Union will set the standard for appropriate behavior.

Intercollegiate Athletics Eligibility

To be eligible for participation in the University's intercollegiate athletic program during the traditional season, a student must be enrolled full-time for the semesters of participation, must be in good academic standing and be making satisfactory progress toward a degree. To be eligible for participation in the University's intercollegiate athletic program during the non-traditional season, a student must be enrolled full-time for the semesters of participation. These requirements are in accordance with National Collegiate Athletic Association (NCAA) guidelines.

Intercollegiate Athletics Participation Fee

The intercollegiate athletic participation fee is charged to all graduate students participating in athletic teams as well as any undergraduate students who are enrolled for less than 12 hours. The current rate is listed in the Schedule of Fees published annually by the Business Office.

International Student Services

The Office of International Student Services, along with the Office of Diversity and Inclusion, assists international students as they adapt to all aspects of campus life, acting as liaison and advocate in dealings with the U.S. government, Mount Union, academic departments and administrative offices. Together, we also conduct orientation upon arrival, plan cultural programs and organize monthly social activities. The office also coordinates the i-Guide Library Peer program, i-Mentor program and Community Friend Program which are designed to match international students with current Mount Union students and local families in order to gain an authentic American perspective. The office also offers services to all students, faculty and staff who are interested in or concerned with global issues. To contact the office, call (330) 823-2574.

Residence Life

Housing of students at the University of Mount Union falls under the auspices of the Office of Residence Life within the Office of Student Affairs. Mount Union ascribes to the belief that the residential experience can significantly contribute to a student's overall collegiate experience. In accordance with those beliefs, all full-time undergraduate students are required to live on campus for two years unless an Off Campus or Commuter Petition is submitted to and approved by the Office of Residence Life. In addition, all students living in campus housing (with the exception of the apartment-style housing) are required to be on a campus meal plan. New students are required to stay on one of two meal plans the entire first year, either unlimited meals per week or 16 meals per week plus $100 dining dollars for the semester which are available to use in any campus dining facility. After the first year, students will be able to select from more options. Block meal plans do not fulfill this requirement.

Approximately 1,650 students live on campus in 10 residence halls, three apartment complexes, and campus houses making Mount Union a largely residential campus. There are essentially four types of housing options available to students residing on campus: single-gender and coeducational traditional style residence halls; coeducational, suite-style residence halls for sophomores and above; residential houses; and junior and senior apartments or townhouse-style living options. In addition, fraternity and sorority members in good standing may choose to live in their organization's house. All rooms in campus housing are equipped with beds, desks, desk chairs, dressers, closets or wardrobes, and drapes or blinds. Additionally, all campus housing is wired for computer networking. Laundry machines are provided in all residential facilities and are free of charge.

Professional staff members, called resident directors, live on campus and are responsible for the day-to-day supervision of the residence halls, houses and apartments/townhouses. In addition to ensuring the smooth operation of the building, they supervise the student residence life staff in each area and strive to make the residence halls and houses true living and learning communities. There is a resident director on call (RD on duty) 24 hours a day, seven days a week. The RD on duty is available to assist students with any residence hall emergencies or after-hour situations that may occur.

Spiritual Life

The University of Mount Union has a chaplain who ministers to the spiritual needs of the academic community. The chaplain serves as a spiritual advisor to students, faculty, and administration. The chaplain is responsible for providing and supervising all aspects of spiritual life on campus which include community worship and prayer; advising and coordinating the activities of student spiritual life groups; encouraging student involvement in worship and community life on campus as well as churches and faith communities in the Alliance area; developing and participating in local, regional and national student spiritual life conferences and retreats; and planning and coordinating service/work trips for students, faculty and administrators.

Student Involvement and Leadership

The Office of Student Involvement and Leadership assists Mount Union Students preparing for fulfilling lives, meaningful work and responsible citizenship through engaging and intentional cocurricular activities, programs, services, and partnerships. Through immersed participation, training, practice, and reflection, the Mount Union student will gain skills that complement their academic endeavors and further enable their success after graduation. Student Involvement & Leadership is directly and specifically responsible for the coordination of all-campus programs, advising fraternity and sorority life, coordinating and implementing leadership programs, advising the Mount Union Senate, providing student organization support, and offering the Student Involvement Record.

All-Campus Programming

The Raider Programming Board: The Raider Programming Board is the University's student-led activities council. The Raider Programming Board, or RPB, is responsible for a number of the all-campus programs that are brought to campus, including Week of Welcome, Homecoming, Family Day, Little Sibs Weekend, Springfest, and much more. RPB offers Coffeehouse open-mic night, several Fridays throughout the semester in Campus Grounds, to feature student talent. The Movie Series brings blockbuster hits to campus as well as periodically provides movie tickets to Carnation Cinema, and Midweek Madness offers a wide variety of entertainment every Wednesday such as comedians, hypnotists, pottery nights, and trivia.

Family Day: Family Day provides students, parents and their families an opportunity to re-connect during the middle of the fall semester. Including attendance at a Raider football game, a luncheon and evening entertainment, Family Day provides resources for families to continue to support the educational pursuits of their students.

Homecoming: The Raider Programming Board, in concert with Office of Alumni Relations and University Activities coordinate the events of the annual Alumni/Homecoming Weekend. The Raider Programming Board selects and coordinates the events of the week leading up to Homecoming. At half time of the Homecoming football game, the Homecoming Court Ceremony take place.

Little Sibs Weekend: A variety of student organizations on campus sponsor events throughout the weekend to provide entertainment and welcome younger family members of the current students. Activities typically include a live show, a movie, inflatable fun, various crafts, a photo booth, and so much more. Registration opens in March.

Leadership Programs: Our leadership programs provide students at a variety of abilities and engagement levels with appropriately designed leadership opportunities to further enhance their learning and engagement on campus. This includes workshops and offerings available throughout the year to meet the needs of student leaders and organizations.

Fraternity and Sorority Life

Mount Union hosts four fraternities and four sororities on campus. The Office of Student Involvement and Leadership holds the philosophy that the social fraternities and sororities are a part of a community emphasizing the shared values of the various groups, having a high expectation for interaction among all groups. When joining one organization, a member can expect to feel a sense of belonging to a greater whole.

Mount Union provides the opportunity for first-year students to join a fraternity or sorority during their first semester on campus, including in the fall of their first year. Any student who is not currently affiliated with a fraternity or sorority may participate in the recruitment process at any point in their college career. A man interested in fraternity life must achieve a minimum GPA required by the individual fraternities to be eligible to join a fraternal organization on campus. Women interested in joining a sorority must obtain that minimum grade point average required by the chapter of their interest. Interfraternity Council and Panhellenic Council, the fraternity and sorority governing boards, organize and operate the recruitment period in September. The individual chapters also sponsor a variety of events throughout the year to provide new students with information regarding fraternities and sororities.

Sophomore, junior, and senior students may choose to reside in their fraternity or sorority houses, if housing is available.

Student Organizations

In support of the leadership development that takes place in student organizations, the Office of Student Involvement and Leadership also serves as a resource center and clearinghouse for the approximately 90 active student organizations on campus. Students can learn about becoming involved in these student organizations by participating in the Raiderfest student involvement fair held during the first week of the fall semester. All student organizations are required to register with the Office of Student Involvement & Leadership and maintain current contact information for presidents and advisors. Students interested in starting a new student organization can obtain materials and learn the appropriate process by visiting the University website or contacting the Director of Student Involvement & Leadership.

Student Senate: The Mount Union Student Senate is the chief avenue for students to maintain an effective voice in the affairs of the University by serving as the link between the student body and the administration. Through Student Senate, students can express concerns or make suggestions (either directly or through their representatives) about any issue on campus, be it academics or campus life. In addition, any student or organization may petition Student Senate for funding for extracurricular projects and endeavors.

Student Involvement Record: The Student Involvement Record (SIR) is a chronological record of students' participation cocurricular activities at the University. The SIR information and data are submitted and kept on file in the Office of Student Involvement & Leadership, and data is regularly updated each semester. Students may request their SIR at any point in the year by simply contacting the Office of Student Involvement & Leadership.

Center for Student Success

The Center for Student Success (CSS) empowers students in the strategic pursuit of their goals as they relate to personal transition, self-discovery, academic progress and success, and career planning. The CSS is comprised of several offices and programmatic areas including academic support, career development, first year initiatives, search-for-a-major support, sophomore initiatives, student accessibility services, student success and retention programs, and transfer student services. While each of these areas offers a different type of assistance, their services are interrelated to provide holistic, student-centered support. The Center for Student Success is located in the Hoover-Price Campus Center. For information, call (330) 823-8685 or visit https://www.mountunion.edu/academics/student-success.

Academic Support: Helping students reach their full potential is the primary goal of Academic Support. Through individual meetings, success workshops, the Raider Rise program, academic peer mentoring programs, Structured Study, the tutoring program, and other academic support-related opportunities, Academic Support strives to assist students in developing the skills, habits, and behaviors for success necessary in university-level coursework. All resources and programs come at no additional cost to students, and all students are welcome and encouraged to visit the office for assistance with academic success strategies.

Career Development: Deciding on a career to pursue and having the tools to navigate the job or graduate school search process are critical to all students. This process actually begins much earlier than the senior year, and the Office of Career Development is there to assist all students with this. We help prepare students to research careers, identify and secure experiential learning opportunities (internships), and develop and implement job search strategies, which include creating a resumé, networking and interviewing with employers, and targeting job leads. Preparing for graduate school applications and admission tests is also supported by Career Development in addition to the other events we facilitate, including job and internship fairs, graduate and professional school fairs, mock interviews, on-campus recruiting, and a variety of networking events.

First Year Initiatives: The Office of First Year Initiatives strives to aid first year students to make a successful transition from high school to college. The first year of college is a pivotal one, and through intentional programming and services as well as meaningful relationship building, First Year Initiatives encourages academic excellence through co-curricular learning, fosters the development of the whole student, and provides a supportive community to learn and grow.

First Year Initiatives offerings will include the summer Preview and Fall and Spring Orientation programs

Preview. Preview is the first part of an ongoing and multi-faceted transition process for new Mount Union students, which involves academic, intellectual and personal development pursuits. Held during the summer months, it is your chance to "preview" much of what Mount Union has to offer in terms of University life. It is designed to begin the college transition process for both students and their parents and family members. Everything from scheduling classes to extracurricular activities; a chance to meet some of your faculty to staying overnight in one of our first year halls – it's all here for you! In addition to making student, faculty, staff and family connections, Preview will provide students with the foundation to succeed academically. This includes math and world language testing, learning about the general education requirements, and meeting with an academic advisor to schedule classes for the fall semester.

- ***Fall Orientation.*** Fall Orientation, held in the fall prior to the first day of classes, is designed to continue to the transition to college process by providing opportunities to connect with roommates and classmates, learn more about extracurricular activities that enhance the whole college experience, and reconnect with faculty and the academic curriculum through a series of informational and social programs intended to increase a student's success. The primary goal of Fall Orientation is to inform new students of their opportunities and responsibilities as part of the campus as well as to initiate their integration into all aspects of the University of Mount Union community.

Search-for-a-Major Services: If you are not sure of your major or are considering changing it, the Center for Student Success can help. Come meet with our staff who will help you explore your interests and skills to help identify the courses, major, and/or minor that might be a good fit for your academic strengths and future career and life goals.

Sophomore Initiatives: While starting the second year of college is much different that coming as a first-year student, many students are still finding their way. Our sophomore initiatives provide support throughout that second year of college through individual appointments with the CSS staff as well as the Sophomore Halfway There Fair. The Sophomore Halfway There fair takes place in the spring semester and is a chance to make sure students are ready to submit their Raider Foundations Portfolio (RFP) and are poised to enter their junior year in a position of strength to reach success.

Student Success and Retention Programs: In collaboration with campus partners in Academic Affairs, Athletics, Student Affairs, and other areas, the CSS works to support, create, and ensure student success and retention programs campus wide. Along with Vice President for Student Affairs, the CSS is a co-leader of the University Retention Committee and is also responsible for maintaining the Student Success and Retention Hub. Finally, the CSS is responsible for Ellucian Advise, a retention software utilized by Mount Union.

Transfer Student Services: Once a student completes the transfer admission process, the Center for Student Success, in conjunction with the Integrative Core Office, helps support them as they become a Raider! Some of these support programs include the Transfer Student Seminar, which all transfer students take in their first semester at Mount Union, as well as the Transfer Student Organization, which provides amazing peer support and programming and is advised out of the Center for Student Success. We also provide academic advising, a joint venture with the Integrative Core Office, for new transfer students as they enter their first semester at the University of Mount Union.

Digital, Written, and Oral Communication Studio

The Digital, Written, and Oral Communication Studio (DWOC Studio) is open to all students at the University of Mount Union. Its mission is to provide a space for students to work on writing, oral presentations, and digital artifacts, including sound and video editing, desktop publishing and more. Consultants are on hand to provide help with critical thinking at the beginning stages of a project; support through the writing, speaking, and production process; as well as polishing a final product, including essays, reports, employment and graduate school documents, public speeches, PowerPoints, Prezis, videos, audio files, and ePortfolios and more. Make an appointment online by visiting www.mountunion.edu/DWOCS.

Mathematics Learning Center (MLC)

The Mathematics Learning Center (MLC) is a multi-space area located on the Mezzanine level of KHIC and open to all University of Mount Union students. The MLC serves as the home for students seeking tutoring in math and math related courses. Tutoring is administered by student staff recommended through mathematics faculty and supervised by the Director of the Mathematics Learning Center. Availability for both in-person and virtual appointments are available. In-person tutoring is done on a walk-in basis. Virtual tutoring as well as questions can be arranged or answered by emailing mlc@mountunion.edu.

Information Technology

The University offers state-of-the art teaching and learning resources. Each semester new facilities and technologies are made available on campus to support teaching and learning. For additional details, please visit http://www.mountunion.edu/information-technology.

Campus-Wide High-Speed Data Network: This infrastructure is the foundation upon which all of our computer information systems are built. The data network consists of a high-speed fiber-optic network between buildings and Ethernet networks within each building. Data and Cable TV jacks are provided in every residence hall room. Wireless is available within all academic, administrative and residential buildings. The entire network is directly connected to the Internet. Faculty, staff and students have remote access to campus servers through VPN.

Public Computer Facilities: General purpose computing labs are located throughout various buildings on campus. Additionally, the library portion of KHIC and some residence halls have public workstations. Numerous classroom computer labs are available as well as several specialized departmental computer labs.

CCTV-Closed Circuit Television System: Residence hall rooms, as well as most offices, classrooms and labs are connected to the Campus Cable Television (CCTV) system. The University brings to campus a wide variety of television programming including commercial channels, educational channels, movie channels and special teleconferences.

Library: The University operates an automated library system providing online public access to the catalog, circulation services, interlibrary loan, research journals and databases.

Language Laboratory: A large, state-of-the-art language laboratory is located in the Kolenbrander-Harter Information Center.

Multimedia Facilities: The University has over 50 multimedia-equipped classrooms including large-screen computer and video projection and sound systems, as well as document cameras. Additionally, faculty make use of portable carts with computers and projectors in other classrooms.

Administrative Systems: The student information system provides online access to services via the web ranging from applying for admission to registering for classes and viewing transcript information. The University uses an ID card system for electronic access to residence halls, food service, vending, copy machines and other transactions.

Mobile App: The University offers a mobile app. The app provides a wealth of academic and campus resources that you will find helpful. For more information on our mobile app please visit http://www.mountunion.edu/app.

Helpdesk: The Office of Information Technology provides helpdesk services to faculty, staff and students. To reach the Helpdesk, please dial ext. 4357 on campus or (330) 829-8726 off-campus or e-mail helpdesk@mountunion.edu with details on your needs.

Technology Resources Acceptable Use Policy

Technology User Code of Conduct

The following Code of Conduct is intended to instruct technology users in acceptable behavior regarding their use of the University of Mount Union technological resources. This document is not intended to be exhaustive of all possible behaviors that may be deemed inappropriate. Users are expected to adhere to all policies set forth by the University regarding the use of technology resources. Failure to follow the expectations set forth in this Code of Conduct or any other policy of the University regarding use of technology may result in sanctions against the user including, but not limited to, loss of access to technology resources and/or disciplinary action.

1. Users are responsible for how their accounts are used; therefore, every effort must be made to protect against unauthorized access to accounts. Users must have a password which will protect their accounts from unauthorized use and which will not be guessed easily. If a user discovers that someone has made unauthorized use of their account, the student should change the password and report the intrusion to the Office of Information Technology. Users should change their password on a regular basis to assure continued security of their accounts.
2. Users may not intentionally seek information about, browse or obtain copies of or modify files or passwords belonging to other people, whether at Mount Union or elsewhere, unless specifically authorized to do so by those individuals. Also, users may not attempt to intercept, capture, alter or interfere in any way with information on campus or global network paths.
3. Users must not attempt to decrypt or translate encrypted material or obtain system privileges to which they are not entitled. Attempts to do any of the above will be considered serious violations.
4. If users encounter or observe a gap in system or network security, they must report the gap to the Office of Information Technology. Users must refrain from exploiting any such gaps in security.
5. Users must refrain from any action that interferes with the supervisory or accounting functions of the system or that is likely to have such effects.
6. Users must be sensitive to the public nature of shared facilities and take care not to display sounds or messages that could create an atmosphere of discomfort or harassment for others.
7. Users must avoid tying up computing resources for game playing or other trivial applications, sending frivolous or excessive mail or messages locally or over an affiliated network or printing excessive copies of documents, files, images or data. Users should be sensitive to special needs for software and services available in only one location and cede place to those whose work requires the special items.
8. Users may not prevent others from using shared resources by running unattended processes or placing signs on devices to “reserve” them without authorization.
9. Users may not copy, cross-assemble or reverse-compile any software or data that the University has obtained under a contract or license that prohibits such actions. If it is unclear if it is permissible to take such actions, users should assume that they may not do so.
10. Software may not be copied or used illegally. Web site materials must be cited appropriately, and permission obtained for the publishing, performing or distribution of copyrighted material.
11. Messages, sentiments and declarations sent as electronic mail or sent as electronic postings must meet the same standards for distribution or display as if they were tangible documents or instruments. Users are free to publish their opinions, but they must be clearly and accurately identified as coming from the particular user or, if a user is acting as the authorized agent of a group recognized by the University, as coming from the group s/he is authorized to represent. Attempts to alter the “From” line or other attribution of origin in electronic mail, messages or postings will be considered violations of University policies.
12. Users may not take any action that damages Mount Union technology resources in any way including technology found in classrooms, public computing labs, departmental labs, residence halls and University houses or any other campus location.
13. Users may not establish any computer to function as a server without the knowledge and approval of the Office of Information Technology.
14. Users are required to utilize anti-virus software on their computers. Anti-virus software must be updated regularly.
15. Users may not deploy any network electronic equipment or install wireless access points without express permission from the Office of Information Technology.
16. Users who utilize the Mount Union e-mail system are required to comply with state and federal law, University policies and normal standards of professional and personal courtesy and conduct.

Network Use Policies

The University of Mount Union network is provided for the academic use of students and faculty of Mount Union as well as to the University administration for conducting official University business. Academic use is determined to be any legitimate use of the network for the purpose of assisting in the conduct of the University’s academic mission. The official conduct of University business is limited to efforts on behalf of the management and administration of the University. The network provides access to the Internet from all offices, residence hall rooms and computer labs, in addition to public access stations in the library. Students living in on-campus housing are accorded the privilege of using the network for personal use, as long as such use is in

keeping with all applicable policies of the University, all applicable state and federal laws and is not excessive (resulting in diminished service to fellow students).

User access to the network is governed by the acceptable use policy of the University as well as by the following:

1. Servers. All servers operating on campus must do so with the knowledge and consent of the Office of Information Technology. A server is defined as any computer providing services of any type to other computers on the network or on external networks. Such services could include DNS, DHCP, SNMP, e-mail and application, file and/or printer sharing. In order to request the deployment of a server on the network, written petition must be made, stating:
    a. The legitimate academic use of the server;
    b. Intended server operating system;
    c. All intended server functions and applications, including protocols and services; and
    d. The identity and function of target subordinate computers/users.
2. Any computer acting as a server without prior authorization as stated above will be removed from the network. All licensing, operation and support of the hardware and software utilized will be the responsibility of the petitioner if such petition is granted.
3. Accounts. All authorized users will be provided an account by which to access the necessary network resources of Mount Union. The information regarding this account, including the account name and password, is privileged and must not be disseminated to anyone other than the account owner for any purpose. Account holders should protect their passwords and keep them confidential. Passwords should be changed frequently. Any problem resulting from irresponsible use of a password (e.g., a password that can be easily guessed or oral or written dissemination of a password) may be treated as grounds for action against the account holder. Any attempt to determine the passwords of other users is strictly prohibited. The following are categories of authorized users:
    a. Full-time staff of the University.
    b. Current faculty members
    c. Current students
4. The following categories of users may be authorized to utilize the University network based on the legitimate need for access to such resources:
    a. Part-time staff of the University
    b. Volunteer staff of the University
    c. Student employees
    d. Current students on transfer
    e. Retired members of the faculty and staff
    f. Guests
5. Other categories of users may be granted special permission to obtain access to the system at the discretion of the University. Student employees who need to access administrative software and resources due to their employment must be given approval for this access by a department administrator.
6. Special Access. From time to time, circumstances dictate the provision of short-term, special access to University systems. Such access must be in accordance with the strictest adherence to the user policies stated above and may only be granted by the Office of Information Technology after review of a written petition. The petition must state the purpose of the access, the source username and the department. Such access will typically be provided only for a limited time and will be allowed only from designated computers. All such petitions that are approved will be maintained on file in the Office of Information Technology. All connections made through such petitions will be monitored.
7. Network Electronic Equipment. Network electronic equipment, including switches, hubs and routers, may only be installed on campus with the knowledge and consent of the Office of Information Technology. In order to request the deployment of this equipment on the network, written petition must be made stating:
    a. The legitimate academic use of the equipment;
    b. The type of equipment wishing to be deployed and for what purpose;
    c. All intended functions, including protocols and services; and
    d. The identity and function of target subordinate computers/users.
8. Any network electronic equipment deployed without prior authorization as stated above will be removed from the network. If a petition is granted, all licensing, operation and support of the hardware and software utilized will be the responsibility of the petitioner.
9. VPN. (Virtual Private Network) is a resource made available to faculty, staff and non-residential Mount Union students. VPN will allow a user to connect to the campus network from an off campus ISP (Internet Service Provider) and make it appear to the user that they were physically connected to the Mount Union network. VPN will allow users to gain access to their home space (H:\ drive), departmental common space (S:\ drive), and hand-in and handout folders (M:\ drive). VPN will be supported for only specified operating systems. If misuse of this resource occurs or if the user does not comply with the VPN Policy of Mount Union, the Office of Information Technology reserves the right to terminate any VPN connection without notice. Any party found to have violated the VPN policy may be subject to disciplinary action, including termination of VPN access. A copy of the VPN policy can be found on the Office of Information Technology web site.

10. Wireless. Wireless technology is available in specified areas of Mount Union. Use of the wireless information network implies consent to abide by all University policies pertaining to the use of computer resources at Mount Union. Users may not install wireless access points. Any unauthorized wireless access points deployed will be removed from the network.
11. Campus ID Card System. The Campus ID Card System is a network resource and as such is protected by the rules of this policy. Any party found to violate this policy or damage devices specific to this system, such as door card, vending machine or laundry readers, may be subject to disciplinary action.
12. Web Pages. The Mount Union website and individual web pages are network resources and as such are protected by the rules of this policy. Any party found to violate this policy may be subject to disciplinary action.

Appropriate Use of E-mail and Internet

Mount Union e-mail is intended to serve the communication needs of the University community. Access to the e-mail system is a privilege. Any e-mail addresses or accounts assigned by the University to individuals, sub-units or functions of the University are the property of the University. The Mount Union network is not intended for private correspondence, as such, all communications on Mount Union computer systems, whether personal or business-related, are the property of Mount Union. E-mail users are required to comply with state and federal law, University policies and normal standards of professional and personal courtesy and conduct. Unacceptable uses of e-mail and Internet access include, but are not limited to, the following:

1. Use for any purposes that violate a federal, state or local law.
2. Use for any commercial activities, including commercial advertising unless specific to the charter, mission or duties of the University of Mount Union.
3. Use to publish, post, distribute, disseminate, or link to any:
    a. Inappropriate, profane, defamatory, infringing, obscene, indecent, harassing or unlawful topic, name, material or information
    b. Software or other material protected by intellectual property laws, rights of privacy or publicity or other proprietary rights, unless the individual owns/controls such rights or has received all necessary consents for the use of such software and other materials
    c. Software or other material that contains viruses, corrupted files or that may or are intended to damage the operation of another's computer
4. Use to gather or otherwise collect information about others for commercial or private use, including e-mail addresses, without the express consent of the individuals.
5. Use for fund raising, political campaign activities or public relations activities not specifically related to Mount Union activities.
6. Use to conduct or forward illegal contests, pyramid schemes or chain letters or to spam.
7. Use to sell access to the Internet.
8. Use to conduct any activity that adversely affects the availability, confidentiality or integrity of Mount Union's technology.
9. Use to benefit personal or financial interests of any employee or student.
10. Use for mass e-mail purposes. Ennouncements should be used for this purpose.

E-mail users shall not give the impression that they are representing, giving opinions or otherwise making statements on behalf of the University or any unit of the University unless expressly authorized to do so. Where appropriate, the following explicit disclaimer shall be included: "The opinions or statements expressed herein are my own and should not be taken as a position, opinion or endorsement by the University of Mount Union."

Security

E-mail, as a public record, is subject to the Freedom of Information Act and to subpoena by a court of law. Users should be aware that any information submitted via e-mail is not confidential and could be observed by a third party while it is in transit. Encryption encourages the false belief that privacy can be guaranteed. Users should never put anything in an e-mail message that must be kept confidential. E-mail users should assume that anyone could accidentally or intentionally view the content of their message. E-mail security is a joint responsibility of the Mount Union Office of Information Technology and e-mail users. The University will provide the security offered by the currently used software, as well as a "firewall" to prevent unauthorized access to the mail server. Users must take all reasonable precautions, including safeguarding and changing passwords, to prevent the use of the account by unauthorized individuals. Users may not divulge passwords for Mount Union accounts to any other person or allow other persons use of their Mount Union account for any reasons.

Archiving and Retention

The Office of Information Technology does not archive documents. Mount Union records communicated using e-mail or the Internet need to be identified, managed, protected and retained as long as they are needed to meet operational, legal, audit, research or other requirements. Each director is required to comply with approved records retention schedules or to set standards to retain, manage and make accessible in an existing filing system, outside the email system, records needed to support program functions in accordance with Mount Union's standard practices.

Eligibility for E-Mail Privileges

Students are eligible for e-mail privileges as long as they are officially registered at Mount Union. Faculty and staff e-mail privileges start on the date employment begins and end at the close of the business day of the date of employment termination. The Mount Union Office of Information Technology may, under its sole discretion, attempt to redirect email for a reasonable period of time as determined by the University for purposes consistent with this policy and the University's mission. The University may elect to terminate the individual's e-mail account or continue the account, subject to approval by appropriate University supervisory and systems operational authority. The Office of Human Resources at Mount Union is responsible for notifying the Office of Information Technology of the date of employment termination.

UNIVERSITY of MOUNT UNION

Be Exceptional

Academic Policies & Procedures

UNIVERSITY OF MOUNT UNION

Academic Policies and Procedures

Student Responsibility

Each student has the responsibility to be aware of and to meet the Catalog requirement for graduation, and to adhere to all rules, regulations, and deadlines published in this Catalog and in the Student Handbook.

The University of Mount Union Educational Records Policy Annual Notification to Students

In accordance with the Family Educational Rights and Privacy Act (commonly referred to as FERPA, or the "Buckley Amendment"), Mount Union has adopted the following policies and procedures to protect the privacy of educational records. Students will be notified of their FERPA rights annually by publication in the Catalog and on the University's website.

Definitions

The University of Mount Union uses the following definitions in this policy:

Student: any person who attends or has attended the University.

Education records: any record in whatever form (handwritten, taped, print, film or other medium) which is maintained by the University and is directly related to a student, with the following exceptions:

- personal records kept by a University staff member if the record is not revealed to others and is kept in the sole possession of the staff member;
- student employment records that relate exclusively to the student in the capacity of an employee;
- records maintained separately from educational records solely for law enforcement agencies of the same jurisdiction;
- counseling records maintained by the University chaplain or the University counselor;
- medical records maintained by the University solely for treatment and made available only to those persons providing treatment; and
- Office of Alumni Activities records.

Rights Under FERPA

A student shall have the right and parents of a dependent student may have the right to do the following:

- inspect and review the student's education records;
- request that the student's education records be amended to ensure the records are not inaccurate, misleading or otherwise in violation of a student's privacy or other rights;
- consent to disclosures of personally identifiable information contained in the student's educational records, except to the extent that FERPA authorizes disclosure without consent;
- file a complaint with the U.S. Department of Education concerning the failure of the University to comply with the requirements of FERPA

Procedure to Inspect Education Records

Students may inspect and review their education records upon request to the appropriate record custodian(s). Students must submit a written request that identifies as precisely as possible the record(s) the student wishes to inspect.

Access will be provided within 45 days of the written request. Information contained in educational records will be fully explained and interpreted to students by University personnel assigned to, and designated by, the appropriate office.

Student records are maintained in the following offices:

- admissions and academic records in the Office of the University Registrar;
- financial aid records in the Office of Student Financial Services;
- financial records in the Office of Business Affairs;
- progress and advising records in the departmental offices and faculty offices;
- disability-related records in the Office of Student Affairs;
- counseling records in the Office of the Chaplain, the Office of Counseling Services and the Office of Alcohol, Drug, and Wellness Education;
- academic dishonesty records in the Office of Academic Affairs;
- disciplinary and student conduct records in the Office of Student Affairs.

Right of the University to Refuse Access

The University reserves the right to refuse to permit a student to inspect the following information:

- the financial statement of the student's parents;
- letters of recommendation for which the student has waived right of access;
- records of applicants who were neither admitted to nor attended the University of Mount Union;
- records containing information about more than one student, in which case the University will permit access only to that part of the record which pertains to the inquiring student; and
- records which are excluded from the FERPA definition of educational records.

Right to Challenge Information in Records

Students have the right to challenge the content of their education records if they consider the information contained therein to be inaccurate, misleading or inappropriate. This includes an opportunity to amend the records or insert written explanations by the student into such records. The student may not initiate a FERPA challenge of a grade awarded unless it was inaccurately recorded; in such cases the correct grade will be recorded.

Procedures for Hearings to Challenge Records

Students wishing to challenge the content of their education records must submit, in writing to the appropriate office, a request for a hearing which includes the specific information in question and the reasons for the challenge.

Hearings will be conducted by a University official who does not have a direct interest in the outcome of the hearing. Students will be afforded a full and fair opportunity to present evidence relevant to the reasons for the challenge. The hearing officer will render a decision in writing, within a reasonable period of time, noting the reason and summarizing all evidence presented.

If the hearing results are in favor of the student, the record shall be amended. Should the request be denied, an appeal may be made, in writing, and submitted to the University Registrar within 10 days of the student's notification by the hearing officer. The appeal shall be heard by an Appeals Board of three disinterested senior University officials. The board will render a decision, in writing, within a reasonable period of time.

Should the appeal decision be in favor of the student, the record shall be amended accordingly. Should the appeal be denied, the student may choose to place a statement with the record commenting on the accuracy of the information in the record and/or setting forth any basis for inaccuracy. As long as the student's record is maintained by the University, when disclosed to an authorized party, the record will always include the student's statement and the board's decision.

Disclosure of Education Records

The University may disclose "non-directory" information contained in a student's educational record only with the written consent of the student, with the following exceptions:

- to school officials, including teachers, who have a legitimate educational interest in the record;
- to officials of another school in which the student seeks or intends to enroll;
- to federal, state and local agencies and authorities as provided under law;
- to the parents of an eligible student if the student is claimed as a dependent for income tax purposes;
- accrediting organizations;
- to comply with a judicial order or lawfully issued subpoena;
- emergencies affecting the health or safety of the student or other persons; and
- as otherwise permitted by FERPA.

Any student who wishes to authorize release of grades to one or both parents should complete a disclosure form in the Office of the University Registrar.

FERPA Annual Notice to Reflect Possible Federal and State Data Collection and Use

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records — including your Social Security Number, grades, or other private information — may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as primary education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal

information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

Disclosure of Directory Information

Disclosure of directory information normally may be made without the student's consent. Directory information includes:

- the student's name
- school and permanent addresses
- school, permanent and cellular telephone numbers
- school mailbox address
- school e-mail address
- place of birth
- majors and minors
- dates of attendance; enrollment status
- class level
- degree(s) received and dates of conferral
- honors and awards earned
- previous institutions attended
- weight, height, and age of athletes
- participation in officially recognized activities and sports
- photograph.

A student who wishes to have all directory information withheld must submit an "Authorization to Withhold Directory Information" form to the University Registrar. The hold will become effective the first day of class in the next regular semester (fall or spring). Once filed this request becomes a permanent part of the student's record until the student instructs the University Registrar in writing to have the request removed. Because the University's computer system is unable to put a "hold" on selective directory information, all directory information will be placed on hold or all directory information except name and e-mail address will be placed on hold. Moreover, this request does not restrict the release of this information to individuals and agencies list in "Disclosure of Educational Records" above.

FERPA Release of Academic Information of Those Deceased

The protections offered by the Family Educational Rights and Privacy Act (FERPA; Buckley Amendment) generally cease upon the death of a student who was otherwise protected by the Act. The Office of the University Registrar will evaluate each request for the release of a transcript or other academic records of a deceased student on the individual merits of that request. The University of Mount Union reserves the right to deny the request in whole or to release only part of the academic records that are requested. The decision will be based on what is deemed to be in the best interest of the University.

Minimum requirements for any release of academic information of a deceased student include: confirmation of the student's death proved to the satisfaction of the University and the Office of the University Registrar and a written request indicating what academic records are being requested, why they are being requested, and from whom it is being requested (news media, family, researcher, etc.). The requester assumes the burden of proof regarding who they are and what their interest is in the academic records of the deceased student. Requests for academic records using descriptions of 'all', 'entire', or other similar words or phrases will be interpreted as requests for the academic transcript. Charges such as official transcript request fees, diploma fees, shipping, and postage will apply per the Office of the University Registrar policies and procedures.

Degrees Offered

The University confers upon candidates who satisfy all specified requirements the following baccalaureate degrees:

- Bachelor of Arts
- Bachelor of Music
- Bachelor of Science in Nursing
- Bachelor of Science

Graduation Requirements

University Requirements for All Degrees

1. A minimum of 120 semester hours is required for all degrees;
2. At least 48 semester hours must be completed at the University of Mount Union;
3. The last 32 semester hours of a degree program must be pursued in residence at the University, or pre-approved transient credit. Cooperative and other special programs may be exempted from this requirement;
4. A minimum grade point average of 2.000 on a 4.000 scale must be achieved for all Mount Union and transient work attempted;
5. Completion of a major with at least a 2.000 grade point average;
6. Completion of a minor with at least a 2.000 grade point average;
7. If required by the major, completion of a concentration with at least a 2.000 grade point average;
8. Completion of the Integrative Core requirements for the degree to be earned;
9. Demonstration of proficiency in World Language and Math

Although each student is assigned a faculty advisor for discussion of academic program requirements and progress, it is the student's responsibility to be aware of and in compliance with all requirements for degree completion.

Special Graduation Requirement Notes

No more than four credits in physical education recreation/ activity courses, with the REC prefix, may count toward graduation requirements.

Courses numbered "199," "299," or "399" may meet General Education / Integrative Core requirements only if specifically identified as doing so by the Office of the University Registrar.

The Mount Union Catalog in effect at the time of a student's admission to the University shall govern such student's degree requirements; an extended period of non-enrollment at the University may, at the time of return, result in a change to requirements as specified in a later issue Catalog.

When the Office of the University Registrar identifies a student, who has been pursuing a degree for more than 10 calendar years, that office will request that the department(s) in which the student is pursuing major and minor work to complete a review of the student's record to date. This review would be to determine if any modifications should be considered or implemented in the student's program of study toward the major(s) or minor(s). The Academic Policies Committee will be asked to review the student's record to determine if any general degree requirements – including the General Education Requirements – should be updated for this student. Further updates will be required only if recommended by the appropriate departments or the Academic Policies Committee.

Applying for Graduation

All students are expected to apply for graduation at least two semesters prior to their expected date of graduation to ensure that all graduation requirements are identified and completed by that date. The Application for Graduation should be completed on Self-Service.

Once an application is received, the Office of the University Registrar and the student's major department chair will identify any remaining requirements for graduation on student progress in Self-Service.

Degree Conferral

At the end of each year, the University Registrar presents to the Board of Trustees (BOT), the names of all students who have at that point successfully completed all requirements for graduation in May and will complete requirements for graduation in August and December. The BOT must then approve these potential graduates before they can be awarded a degree. Once the BOT has approved the candidates for a specific degree, that degree will be conferred on those students by the University Registrar. In special circumstances, the University Registrar may confer degrees at other times within a semester. These conferrals will be included in the approval process for May, August, or December, depending on the conferral date.

Board of Trustee Approval	**Degree conferral**
At the end of the spring semester	May
At the end of the spring semester	August
At the end of the spring semester	December

All diplomas will be mailed to students, regardless of conferral date; this includes those commencing in May. Students whose degrees were conferred in August or December also may participate in the May Commencement exercises, per the "walking" at commencement policy. The graduates' official academic records will include evidence of degree conferral.

A student who completes degree requirements between the times of degree conferral may request from the University Registrar, a letter of completion certifying that degree requirements have been satisfied and confirming that the degree will be awarded at the next conferral date.

If the student has an outstanding financial obligation to the University, the University reserves the right to not confer a degree until all financial obligations have been met. Holding a conferral will result in the absence of any conferral record on the official student transcript. Additionally, until and unless those financial obligations have been reconciled, a potential graduate or a degree candidate may not:

- Obtain a letter of completion.
- Participate in any aspect of the Baccalaureate or Commencement exercises (i.e. wear an academic robe, cross the stage with others who have completed degree requirements, etc.).
- Receive a diploma or any other attendant documents (e.g. certificates, awards, honors, etc.).
- Secure any evidence or verification of degree conferral (e.g. transcript etc.).

"Walking" at Commencement

The University of Mount Union makes every effort to allow students to commence with their original "cohort." Students who are expected to graduate during a calendar year, regardless of conferral date, may participate in the commencement ceremony in May of that calendar year. For example, students expected to graduate in May, August, or December of a calendar year, not academic year may participate in the May commencement of that calendar year. Students expected to graduate in December will have the option to participate in the current commencement year or the subsequent commencement year to align with their original "cohort."

Students who participate in the May commencement ceremony as "walkers" will not graduate until their actual conferral date. During the period of time between completion of all requirements and the date the degree is awarded, students may request a Certificate of Completion to accompany a transcript.

In order to participate in any commencement ceremony, students must complete an application for graduation submitted to the University Registrar by the deadline set forth by the Office of the University Registrar. Students who do not complete an application for graduation may not be permitted to participate in the commencement ceremony. Students must be considered as Senior standing to be eligible to participate. The University of Mount Union defines Senior standing as having earned 90 or more credit hours toward the 120 credit hour graduation requirement. Student may only participate in one commencement ceremony.

Please note: Latin Honors designations will not be listed in the Commencement program.

Second Degree Requirements

Although a second baccalaureate degree is not normally conferred by the University of Mount Union, a graduate of the University or of another accredited institution can pursue a second degree by completing the following:

- The plan must be approved by the major department involved;
- All requirements for the degree being pursued must be completed including a new major and minor;
- All University and general education requirements must be satisfied;
- The second degree may not reflect an essential duplication of a major or minor;
- A minimum of 32 semester hours in residence beyond the first degree must be completed;
- Both degrees may not be conferred at the same time.

Posthumous Degrees

University of Mount Union has a long history of compassionate interaction with families and friends of students who have passed away while enrolled at the University and, that this compassionate interaction is in the best interest of the families and the University. The awarding of a posthumous degree has frequently brought closure to a tragic situation for the family and friends of the deceased student as well as the University. The University of Mount Union may award a posthumous degree if a student, at the time of the student's death, had not completed degree and/or major requirements but was actively enrolled at the University, was in good academic standing, and had completed a substantial amount of work toward their graduation requirements and major requirements. Considerations for a posthumous degree should be submitted, in writing, to the Office of the University Registrar and can be submitted by the family of the deceased student or by a representative of the University of Mount Union, including faculty and staff. The University Registrar will make a recommendation to the Academic Policies Committee once the request has been reviewed. Decisions regarding the definition of a substantial amount of work toward the degree and the awarding of a posthumous degree will be at the discretion of the faculty. If the degree is awarded, and the next of kin desires, the deceased student's name can be read at the next commencement ceremony. In such cases, a diploma will be provided free of charge.

The Major

Each student must declare at least one major program of study. A major consists of not less than 30 total semester hours and not more than 44 semester hours in a major field, at least 16 of which must be completed at Mount Union with none of these 16 being transient credits. However, a student may pursue additional courses in a major field to count toward the 120 required for graduation.

Candidates for the degrees of Bachelor of Music are eligible to complete only one major. Candidates for the Bachelor of Arts or Bachelor of Science degree may choose to complete more than one major. Graduating students who have completed the requirements for a double major with one major designated Bachelor of Arts and the other designated Bachelor of Science may

select which degree type appears on their diploma. Although the student will earn only one degree, both majors will be listed on the official university transcript.

World language majors and minors who take courses in a world language as part of a Study Abroad Program in a country where the world language being studied is the language of that country may count those courses toward the minimum residency requirement for the major and minor subject to the prior approval of the chairperson of the Department of World Languages and Cultures at Mount Union. The chairperson's review will include a determination of whether or not there is an appropriate distribution of language/culture/literature in the major/minor.

The mission of the University of Mount Union is to prepare students for fulfilling lives, meaningful work and responsible citizenship. With this mission in mind, students are encouraged to begin exploring their areas of interest within their first semester. Students who have decided on a major at the end of their first semester will declare that major, while students who have not yet decided upon a specific course of study by the end of their first semester, will declare the major of "Undecided." It is anticipated that students choosing an "Undecided" major will actively engage in identifying a major by working with their advisor, the Center for Student Success, and other knowledgeable faculty and staff members. Students who declare a specific academic major will be assigned an advisor in the selected discipline. Students who declare as "Undecided" will remain with their FYS advisors until such time as they declare an academic major. All students must declare a specific academic major (not "Undecided") by the time they have completed 64 semester hours. To declare a major, the student must complete a Declaration/Change of Major/Minor/Advisor form. The form must be approved by the appropriate department chair and submitted to the Office of the University Registrar.

Satisfactory completion of a major program includes achieving a 2.000 minimum grade point average in the major. Major and departmental requirements appear in the respective discipline sections located in the Programs of Study section of this Catalog.

Majors are offered in the following areas:

Degree	Major Program	Degree	Major Program
BA	Accounting	BA	Management
BA	Art	BA	Marketing
BS	Biochemistry	BS	Mathematics
BS	Biochemistry 3+4 PharmD with NEOMED	BS	Mechanical Engineering
BS	Biology	BA	Media
BS	Biology 3+4 PharmD with NEOMED	BA	Middle Childhood Education
BS	Biomedical Engineering	BS	Multi-Platform Software Development
BS	Chemistry	BA	Music
BS	Civil Engineering	BM	Music Education
BS	Computer Engineering	BA	Nat'l Security & Intelligence Analysis
BS	Computer Science	BS	Neuroscience
BA	Criminal Justice	BSN	Nursing
BS	Data Science & Analytics	BA	Physical Education Pedagogy
BA	English	BS	Physics
BS	Environmental Science	BA	Political Science
BS	Exercise Science	BA	Political Science 3+3 JD Programs
BA	Finance	BS	Psychology
BA	French	BA	Primary Education
BA	History	BA	Public Relations
BS	Human Development & Family Science	BA	Sociology
BA	Human Resources Management	BA	Spanish
BA	International Affairs & Diplomacy	BA	Self-Defined Major
BA	Intervention Specialist	BA	Sport Business
BA	Japanese	BA	Theatre
BA	JDIH 3+2 MASJ Program		

A student may be required by their major department to complete selected courses to complement courses in the major field and/or to satisfactorily complete examinations related to the major field.

A self-defined major is available to a student interested in pursuing a concentration of study not specified in this Catalog. Such majors must satisfy all University requirements for graduation and must be consistent with the learning goals of the University of Mount Union. A student who has completed no more than half the courses in the self-defined major and has at least a 2.5 GPA may submit a self-defined program proposal to the Academic Policies Committee. The proposal must include a clear statement of the objective to be reached by the major, a list of courses that will be completed to satisfy the major, and a statement in support of the major from at least two faculty members, preferably in two different disciplines. The Academic Policies Committee will review the proposed major to ensure that it does not significantly duplicate another existing major at the university and that the proposed program is sufficiently rigorous. The proposal should include a clear rationale for pursuing the proposed major, and that the required courses in the major are the best choices for the student's educational objective. If the Self-Defined Major is approved by

Academic Polices, any changes or substitutions must be approved by the Academic Policies Committee and on file with the University Registrar.

The Minor

With the exception of those in the Bachelor of Music and Bachelor of Science in Nursing degree programs and those students who complete more than one major, all students are required to complete a minor program of study. Available minors are noted in the discipline sections of this Catalog. A minor program consists of from 14 to 21 semester hours, at least 8 of which must be completed at Mount Union with none of these 8 being transient or consortia credits. Students may not declare a major program and a minor program within the same discipline.

World language majors and minors who take courses in a world language as part of a Study Abroad Program in a country where the world language being studied is the language of that country, may count those courses toward the minimum residency requirement for the major and minor subject to the prior approval of the chairperson of the Department of World Languages and Cultures at the University of Mount Union. The chairperson's review will include a determination of whether or not there is an appropriate distribution of language/culture/literature in the major/minor.

To declare a minor, the student must complete a Declaration/Change of Major/Minor/Advisor form; the form must be approved by the student's advisor and submitted to the Office of the University Registrar.

Satisfactory completion of a minor program includes achieving a 2.0 minimum grade point average in the minor.

Minors are offered in the following areas:

Minor Program	**Minor Program**
Accounting	Intervention Specialist
African Studies	Japanese
Applied Artificial Intelligence	Leadership Studies
Art	Legal Studies
Artificial Intelligence	Mathematics
Autism Studies	Mathematics for Education
Biology	Media
Business Administration	Medical Spanish
Chemistry	Military Science Leadership
Coaching	Multi-Age & Adolescence to Young Adult Educ.
Communication	Music
Computer and Network Security	National Security and Intelligence Analysis
Computer Science	Neuroscience
Criminal Justice	Peacebuilding and Social Justice
Data Science and Analytics	Philosophy
Database Management	Physics
Economics	Political Science
Electrical Engineering	Primary Education
English	Psychology
Entrepreneurship	Religious Studies
Environmental Science	Sociology
Exercise Science	Spanish
French	Sport Business
Gender and Sexuality Studies	Sustainability
German	Theatre
History	Web Design
Human Development and Family Science	Writing
International Affairs and Diplomacy	

The Area of Concentration

An area of concentration is a group of courses which together focus on a particular sub-discipline within a given major or on a specific pre-professional program. An area of concentration may be offered by any major, pre-professional program (as defined in this Catalog) or professional program. Normally, pre-professional programs require specialized post-baccalaureate study and formal certification. Professional programs are those which directly qualify a student to seek formal certification in a given profession without specialized post-baccalaureate study.

area of concentration must be a distinct program of courses which does not duplicate an existing major or minor, although courses which count toward a given major or minor also may count toward an area of concentration. An area of concentration may not be developed within a minor program.

To be eligible for inclusion in a student's official academic record, an area of concentration within a major must contain a minimum of 16 semester hours at least 8 of which must be from courses within the department which offers the major. An area of concentration for a pre-professional or professional program must contain at least 16 semester hours and will be administered by the advisor or department chair of the program.

An area of concentration meeting the above guidelines and approved by the Academic Policies Committee will be noted on the official academic record of any student who has completed such area of concentration along with the corresponding pre-professional, professional or major program.

Satisfactory completion of a concentration includes achieving a 2.0 minimum grade point average in the concentration. The 2.0 in the concentration will be calculated as all the required courses for the concentration that satisfy the minimum number of hours required for the concentration.

The Role of Electives

The University of Mount Union faculty encourages students to use electives to explore courses outside of their major and minor areas of study.

Computation of 2.0 in a Major and a Minor

The 2.0 in the major shall be calculated as the GPA obtained in all the courses required for the major, plus all additional elective courses with the disciplinary prefix of the major. For majors that lack a disciplinary prefix, the 2.0 in the major shall be calculated as the GPA obtained in all the courses required for the major plus all elective courses taken in the home department of the major. For self-defined majors, the 2.0 in the major shall be calculated as the GPA of all courses required and elected for the major.

Courses that do not count for any major will not be included in the calculation of the 2.0 GPA.

The 2.0 in a minor will be calculated as all the required courses for the minor that satisfy the minimum number of hours required for the minor.

Academic Record

The history of a student's academic career at the University of Mount Union is compiled to create the official academic record; this may take the form of hard copy or electronic format. The academic record contains all information pertinent to the student's academic progress: courses enrolled, terms enrolled, grades, academic action (suspension, dismissal, etc.), degrees granted, major and minor programs, concentrations, honors, academic awards, etc. Disciplinary information or actions will never appear on the student's "academic record." Administrators and faculty with a need to know (advisors, department chairs, etc.) may secure copies of the academic record for use when advising the student; such copies are unofficial advisor's copies and may not be replicated for release to a third party.

Transcripts

An official copy of the academic record is called a transcript and bears the signature of the University Registrar. Only the University Registrar is authorized to prepare and issue official transcripts.

An official transcript must be requested in writing by the student using either the Transcript Request Form, a letter of request, a faxed request or by using the online automated transcript order system. A transcript may be sent to a third party designated by the student or may be issued directly to the student; in the latter case, the transcript will be marked "Official Transcript Issued to Student." If the student is not receiving Title IV funds and Office of Business Affairs has placed a hold on the student's record, no transcript will be issued until the financial obligation to the University has been discharged. If a student, regardless of Title IV funding, has an outstanding balance with the institution, a note will be added to the official transcript noting there is an outstanding balance.

Academic Honesty

The University views the moral and ethical education of its students as being equal in importance to their intellectual development. The codes of conduct and ethical habits individuals practice as students are likely to guide them for their entire lives. Consequently, a significant part of the University's mission is to foster in its students a belief in the importance of personal honesty and integrity and a strong commitment to high standards in those areas. In all their academic pursuits, Mount Union students are expected to be responsible members of the academic community.

Community Responsibility for Promoting Academic Honesty

A. Administrative responsibility

   All chairs/directors, supervisors, and deans are expected to ensure the employees under their supervision understand and carry out the responsibilities for developing, supporting, and maintaining academic honesty in the Mount Union Community.

B. Faculty responsibility

It is the responsibility of all faculty to remind their students about the University's academic honesty policy and to help their students develop documentation and cooperative learning skills appropriate to the faculty's disciplines and subject matter. In this effort, all faculty should tell students when it is appropriate to collaborate on an assignment and when it is not, carefully explaining the reasons for the distinctions and the penalties for inappropriate cooperation. Faculty should also provide students with models for documentation that are based upon the newest revision of the chosen style guide and are consistent with current usage within the discipline. **Faculty should ensure their syllabi include a section about academic honesty and clear expectations and potential consequences, both to enhance student understanding and assist in the case of a sanctions-only hearing. Faculty should advise students on the appropriate use of Artificial Intelligence (AI) if allowed in their classroom or note in their syllabus what is not allowed.**

C. Staff Responsibility

All staff are responsible for supporting the faculty's teaching and assessment of academic honesty in student work. Staff should help students understand why academic honesty is important in academic life and the workplace and should refer students back to their professors or to the DWOC for any additional instruction the students need.

D. Student Responsibility

It is students' responsibility to pay attention to the instruction in class, to learn the principles and mechanics of academic honesty, and to apply that knowledge in all their work across the curriculum and outside the classroom. Students are expected to understand and comply with the limits of collaboration imposed by each faculty member, and to know when to document appropriately in the assigned style for each course. Students who are unclear about the rules and mechanics of documentation are expected to seek clarification from their professors or from the DWOC for writing and communication resources. Students are responsible for reading and following all academic honesty and AI policies in their course syllabi.

Academic Honesty Violations

All academic work is expected to be the student's own, unless clearly documented with citations indicating otherwise. Academic work comprises all activities including, but not limited to, exams, tests, assignments, group work, projects, and presentations. Academic work also incorporates timeframes of before, during, and after an academic activity. Any student found to have committed or attempted to engage in the following misconduct is subject to intervention and conduct action. Depending upon the severity of the infraction and the circumstances of the situation, cases of academic dishonesty may result in sanctions ranging from failure of an assignment up to, and including, dismissal from the University. Below are types of academic misconduct with examples of each. Please note this list is not exhaustive.

Alteration or attempted alteration of University Documents

- Entering a University building or office for the purpose of obtaining an administered or non- administered test, assignment, or other course document.
- Any unauthorized action taken for the purpose of changing a grade or grade record.
- Changing, altering, or being an accessory to the changing and/or altering of a grade in a grade book, on a test, on an assignment, within the LMS on a "change of grade" form, or other official academic record of the University that relates to grades.
- Forgery of an instructor's signature on a letter of recommendation or any other document.
- Submitting an altered transcript of grades to or from another institution or employer.
- Putting your name on another person's exam or assignment.
- Altering a previously graded exam or assignment for purposes of a grade appeal or of gaining points in a re-grading process.

Cheating

An act or an attempted act of deception by which a student seeks to misrepresent that one has mastered information or a skill on an academic evaluation instrument, such as (by example, not limitation) a test, exam, assignment, or quiz, that has not been mastered or improperly assisting another student to do so. Below are some examples:

- Copying/attempting to copy from another student's exam or assignment, such as a written paper or lab homework, or allowing another student to copy from your exam or assignment.
- Unsanctioned collaboration with another person or persons in preparing any academic work offered for credit including exams, quizzes, or any other project.
- Copying and/or sharing of individual reports among group members associated with group projects (except for instructor-approved assignments).
- Allowing another person to write or edit your work, except for the use of a scribe approved by the Office of Student Accessibility Services, or instructor-approved tasks including DWOC and peer review.
- Writing or editing work for another student, except for instructor approved tasks including DWOC, SAS scribe, and peer review.

- Unauthorized use of a course textbook or other materials, such as (by example, not limitation) a notebook, to complete an exam or other assignment.
- Using or possessing specifically prepared materials during an exam, such as (by example, not limitation) notes, formula lists, notes written on the students clothing, calculators, and/or smart devices, that are not authorized.
- Taking an exam for someone else or permitting someone else to take an exam for you. This includes communication of answers with another person during an exam.
- Submission of the same assignment for more than one course without prior approval of all instructors involved.
- Selling, distributing, stealing, buying (such as through Chegg or Course Hero), or otherwise obtaining all or part of an administered or non-administered exam including questions and/or answers.
- Buying or otherwise acquiring in any way a theme paper, report, term paper, essay, computer software, other written work, painting, drawing, sculpture, or other scholastic artwork and submitting it as your own work to fulfill academic requirements or selling, distributing, or otherwise supplying your work to another.
- Using Artificial Intelligence (AI) tools in a way that is not allowed within a course policy such as answering questions on an exam or for completing a written assignment for you in a way that goes against course policy.
- Solving equation or creating code with AI outside of any course policies allowed by your instructor.

Plagiarism

Plagiarism occurs when you represent the work or ideas of another person as your own. Below are some examples:

- Quoting verbatim another person's words (published or unpublished) without
- acknowledgement of the source.
- Paraphrasing another person's idea(s), opinion(s), or theory(ies) without giving sufficient reference.
- Including facts, statistics, or other illustrative materials that are not common knowledge without acknowledgement of the source; students are expected to clarify with their instructor appropriate criteria for "common knowledge".
- Submitting another person's assignment, paper, essay, test answer, computer program, and/or project as one's own. Work produced using AI must comply with the course instructor's requirements and expectations as spelled out in the course syllabus/policies discussed in class.
- The presenting of one's own work previously submitted for another class (or previously published) as though it were new, or referring to your work from previous classes or assignments without appropriate citation.
- Presenting AI-created works as your own.
- Using AI to summarize, produce, revise, or substantially edit written or creative work outside of any course policies allowed by your instructor.
- Using AI to produce speech outlines or slide decks outside of any course policies allowed by your instructor.

Sabotage

The unauthorized interference with, modification of, or destruction of the work of others. Below are some examples:

- Acts that deny others access to scholarly resources or deliberately impede the progress of another student or scholar
- Tampering with laboratory experiments or research
- Giving misleading information
- Knowingly deceiving other members of a project team or group
- Disrupting class work
- Making library material unavailable to others
- Altering the computer files of another

Misuse of AI (Artificial Intelligence)

The unauthorized use of AI in the production or modification of work. While these elements are covered in the various categories above, they are included here to help focus on some of the potential examples of misuse of AI including:

- Presenting AI-created academic and artistic works as your own.
- Using AI to summarize, produce, revise, or substantially edit written or creative work outside of any course policies allowed by your instructor.
- Using AI to produce speech outlines or slide decks outside of any course policies allowed by your instructor.
- Any other use that is not expressly permitted by your instructor.

The process for addressing allegations of academic misconduct is detailed in section 9 of the Student Handbook. The Academic Policies Committee shall review the policy and process outlined in that section of the Handbook annually.

Petitions and Appeals Regarding Non-Disciplinary Academic Matters

Any student with a concern about a non-disciplinary academic matter (for example, the assignment of a grade or the substitution of a course) should attempt to resolve the matter with the instructor, if one is involved, or the department chair. Faculty

are encouraged to be available to students for such discussion so that if possible, concerns and/or disputes can be resolved informally. If the matter then remains unresolved, the student may submit a petition to the Academic Policies Committee for review.

A petition for a final course grade must be submitted in writing to the Office of the University Registrar. The student should provide a thorough rationale for the basis of the petition, detail the steps that have been taken thus far to resolve the issue, and include supporting materials as evidence. Such materials would typically consist of the course syllabus, the disputed assignment(s) in question, if applicable, and any correspondence, such as email, between the student and the instructor and/or advisor, etc. The petition for final course grade must be submitted by the end Spring semester for grades received during fall semester and by the end of the fall semester for grades received during the spring semester or during the summer session. Petition forms and information are available from the Office of the University Registrar.

The student may appeal decisions of the Academic Policies Committee to the Vice President for Academic Affairs or Academic Affairs designee. The student must submit a written request for an appeal to the Office of Academic Affairs no later than five business days following the notification of the Committee's decision. The Vice President for Academic Affairs or designee of the Office of Academic Affairs' decision is final.

Grades

Each course completed at Mount Union is assessed by the faculty member who will employ the following system of grades and quality point equivalencies:

A…….. 4.00	B…….. 3.00	C…….. 2.00	D…….. 1.00
A-……. 3.67	B-……. 2.67	C-……. 1.67	D-……. 0.67
B+……..3.33	C+…… 2.33	D+…… 1.33	F…….. 0.00

S	Satisfactory	U	Unsatisfactory
AU	Satisfactory Audit	UA	Unsatisfactory Audit

Grading Notations

In addition to grades, certain notations are employed to signify specific conditions:

H – Honors	NG - No Grade Submitted
I – Incomplete	P - Passed
W - Withdrawn	IP – In Progress
TR - Transfer	

Grades and/or Grading Notation Definitions

S/U (Satisfactory/Unsatisfactory): Applicable for assignment to sophomores, juniors and seniors who elect to enroll in certain courses on a satisfactory/unsatisfactory grade basis. The S/U option must be declared by the end of the eighth week of the semester or, for courses that are not taught for the full semester, the mid-point of the course.

To qualify for this option, a student must satisfy at least one of the following criteria: (1) cumulative average of at least 3.000, (2) an average of at least 3.000 for the two preceding semesters, or (3) a junior or senior with at least a 3.000 cumulative average exclusive of the freshman year. The S/U option may not be used with courses in the major department or with extra-departmental courses required for the major (except for those courses graded on an S/U basis only). The S/U option may not be applied to any course being used to satisfy the Integrative Core requirements specified in the "Requirements for a Degree" section of this Catalog.

The S/U option may not be applied to any course being used to satisfy the Integrative Core requirements specified in the "Requirements for a Degree" section of this Catalogue (except for those Integrative Core courses graded on an S/U basis only). The S/U option may be used for courses in a minor department taken beyond those required for the minor. These courses will not include those that apply directly to the minor or those extra-departmental courses required for the minor (except those graded only on an S/U basis). Academic work completed at the "C" or higher level will be graded "S"; work completed at the "C-" level or below will be graded "U."

S/U grades are not included in a student's grade point averages. A student may enroll for only one elected S/U basis course each semester and a maximum of sixteen credit hours in a degree program.

The Satisfactory/Unsatisfactory option is not available to Mount Union students on Study Abroad unless this is the only manner in which the course is offered by the host university.

I (Incomplete): The "I" grade is to be used for situations where an unanticipated or unavoidable situation arises that prevents a student from completing a course during the scheduled semester. It is not to be used to extend the time available for convenience or to re-take the course. The assignment of an "I" grade must be approved by the University Registrar. Such requests shall be submitted through the Request for Incomplete Grade Form before the end

of the semester for a full semester course or second half semester course and include the basis for the request. A request for an "I" grade for a first half semester course must be made prior to the last day of class for such course. The "I" grade may also be used when internships are planned to extend beyond the end of a regular grading period and must also be approved by the University Registrar. The Incomplete Request Form and information are available from the Office of the University Registrar.

Student work required to resolve the incomplete for a course must be completed and submitted to the course instructor by 5:00 pm on Friday of the third week following that course's session ending date unless an earlier deadline is specified by the course instructor. The final grade for the course is due from the instructor by 5:00 pm on Friday of the fourth week following that course's session ending date. It is the student's responsibility to arrange for completion of the work. The final grade may be any grade from "A" to "F". An "I" grade which has not been reconciled to a final grade by the deadlines set forth in this section will become an "F" and will be included in the calculations of the student's cumulative grade point average. The "I" grade calculates as an "F" grade in the GPA calculation until resolved.

IP (In Progress): Applicable grade assigned at the end of the first semester of a two semester "extended" course.

W (Withdrawn): Applicable to students who withdraw from a course after the first week but by Monday of the eleventh week of a semester (the end of the fifth week for only the first half of the semester.). Withdrawals processed by the end of the first week are not recorded on the official academic record. Withdrawals processed after the first week but by the first day of the eleventh week (or by the end of the fifth week for courses that meet for only seven weeks) will be recorded as a "W" on the student's official academic record. A student withdrawing after the first day of the eleventh week of classes for any reason – other than medical or non-academic hardship – will receive grades of "F" which will be used in computing the cumulative grade point average. Note: For courses that are taught in only the first or second half of the semester, the withdrawal deadline will be the end of the fifth week of the course.

"W" is also applicable when a student, with the approval of the dean of students of the University, withdraws from a course anytime during the semester for a verified medical or other verified non-academic hardship. A "W" is not calculated in a student's grade point average.

AU/UA (Satisfactory Audit/Unsatisfactory Audit): The nature and amount of work required of an auditor, as well as the criteria for grading, will be specified by the instructor. Satisfactory completion of this work will result in "AU" on the academic record. Unsatisfactory completion of this work will result in "UA" on the academic record. No credit is awarded for an audited course. Audited courses may be charged tuition.

Change of Grade

In order to seek consideration of a request for a grade change in any course, a student must submit a petition to the Academic Policies Committee. Unless there are justifiable extenuating circumstances present, a student must submit such a petition prior to the end of the semester following the one during which the original grade was assigned. (See Petitions and Appeals Regarding Academic Matters section for more information or contact the Office of the University Registrar.)

Prior to graduation from Mount Union, when the student officially changes majors or applies to a graduate or professional school requiring A/F grades for courses originally pursued on an S/U basis, such student may, by petition to the Academic Policies Committee, request that an A/F grade replace the S/U grade on the academic record. The student's grade point average will be adjusted accordingly. Once changed from S/U to A/F, a grade cannot be returned to the S/U status.

Repeating Courses

A student may repeat a failed course as often as is necessary in order to pass and receive credit for the course. The course credit hours for each attempt are used in the calculation of the student's GPA unless the course was taken as a "Repeat for change of grade." With the exception of courses that are expected to be taken multiple times, such as special topic, seminar, or applied music courses--a student may receive credit toward graduation for a course only once. If a student enrolls in a course for which credit as already been received and "repeat for change of grade" does not apply, the enrollment will be converted to an "audit" enrollment.

Repeat for Change of Grade

A student may "repeat for change of grade" a regularly offered course as many times as necessary or desired subject to the following conditions:

- The University of Mount Union, for purposes of this policy, defines the following as grades: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F. For repeat for change of grade, a "W" grade is not considered a grade.
- A student may repeat at Mount Union any regularly offered course taken at the University of Mount Union in an attempt to secure a grade of "A" through "F," however, experimental courses or topical seminars may be repeated for change of grade only if the subject matter is the same. Unlike other topical seminars, FYS and CAP classes may be repeated for change of grade even if the topic is not the same. A student may not repeat a course taken at Mount Union as a transient student at another institution without obtaining the prior written

approval from the Chair of the offering department at Mount Union and the University Registrar prior to enrollment at the institution. Such requests shall be submitted before the end of the semester and include the basis for the request. Repeats for change of grade for "W" grades do not need to obtain prior approval.

- Grades for all course attempts will appear on a student's official academic record, but only the last attempt will be used in the calculation of the student's cumulative grade point average (the grade for the repeated attempt will appear in brackets).
- For purposes of this policy, credit earned for any repeated course will apply only once toward fulfilling degree requirements.
- Students who wish to repeat a Mount Union course for change of grade may not take the course as a transient student at another institution, unless the course received a "W" grade at Mount Union. The course must be repeated at Mount Union. However, students who wish to repeat a Mount Union course for change of grade may do so at another institution as a transient student in special and extenuating circumstances. The approval of transient courses for repeat for change of grade is to be made in cases in which a student needs such course to effectively progress through the student's major or in extenuating circumstances. The student must obtain written approval from the Chair of the offering department at Mount Union and the University Registrar prior to enrollment at the institution. Such requests shall be submitted before the end of the semester and include the basis for the request. Repeats for change of grade for "W" grades do not need to obtain prior approval.

Notes: Courses repeated under the "audit" option will not affect grades for any previous attempt(s). The "S/U" option may not be used to repeat a course. A student, without permission of the department chair, may not repeat a course which was a prerequisite for a course subsequently taken. Students are encouraged to repeat a course within 12 months or at the next regular offering. Please note that financial aid regulations may prohibit a student from repeating a course that has already been passed more than once.

Notes about "W" grades: A course that has received a grade of "W" may be repeated for change of grade as a transient request as long as the course has only received a "W" grade and no other "A-F" grades at any point at the University of Mount Union or accepted as transfer credit from another institution. "W" and all other grades for all course attempts will appear on a student's official academic record, but only the last attempt will be used in the calculation of the student's cumulative grade point average (the grade for the repeated attempt will appear in brackets). Repeating a course for change of grade when the original grade was a "W" grade does not remove the "W" grade from the student's official transcript.

Dean's List

A Mount Union undergraduate student is eligible for and shall be placed on the Dean's List for a given semester subject to the following conditions.

For the semester being considered the student:

- Must complete at least 12 semester credit hours of traditionally graded course work – courses graded "S" (Satisfactory) or taken as a repeated course cannot be included among these 12.
- Must have at least a 3.550 grade point average for all course work attempted for the semester.
- Cannot have a course graded below a "B" (3.000).
- Cannot have a course graded "U" (unsatisfactory);
- Cannot have a course marked "I" (incomplete) or "IP" (in progress), however, when the student completes work of the "I" or "IP" graded course(s) the student may then be eligible to be added to a supplementary Dean's List for that semester.
- Courses graded "AU" (audit) or "W" (withdrawn) do not disqualify a student who is otherwise eligible for the Dean's List.

Academic Standing General Statement

The University of Mount Union is committed to enabling its matriculated student to reach graduation in a timely fashion. The policies and procedures described herein are meant to ensure students are aware of their academic status and receive the support they need to overcome any academic difficulties. If, after appropriate intervention from the University, a student fails to make progress toward graduation, the University is committed to helping the student make alternative academic plans in a timely manner.

Academic standing is determined for matriculated students only. The policies and procedures governing academic standing are the same for full-time, part-time, and less than half-time students.

A student's academic standing is determined twice a year, at the end of the Fall and Spring semesters, and the end of the summer term after grades for the semesters have been submitted. Academic standing is based on the cumulative grade point average earned, the semester grade point average earned, and the satisfactory completion of any academic and non-academic requirements of a conditional admission, if the student was conditionally admitted to the University. Any conditions associated with the academic standing, determined at the end of a semester, are effective for the next academic semester.

Student Classification

A student's rank is dependent on the number of semester hours of credit completed, the sum of Mount Union credits earned, and credit allowed for transfer work completed. A student is classified by rank according to the following:

Freshman - fewer than 30 total semester hours completed
Sophomore - at least 30 and fewer than 60 total semester hours completed
Junior - at least 60 and fewer than 90 total semester hours completed
Senior - a total of 90 or more semester hours completed

Note that credit awarded for approved transient course work taken at another institution is considered to be part of Mount Union credits completed.

A student is classified as full or part time according to the following:

Full-time - enrolled for 12 semester hours or more
Part-time - enrolled for fewer than 12 semester hours
Overload - enrolled for more than 20 semester hours at the University of Mount Union or at Mount Union and as a transient student at another institution

Academic Standing

A student's academic standing – "good academic standing" or "academic probation" – is dependent upon the cumulative grade point average and the number of semester hours that the student has attempted (note the rule for transfer students below). For a student to attain and/or maintain "good academic standing" at the University of Mount Union, the student must have a:

- 1.600 grade point average or higher at the completion of their second semester of enrollment at Mount Union, only, and regardless of semester hours attempted.
- 1.750 grade point average or higher and have attempted at least 31, but fewer than 48 semester hours.
- 1.900 grade point average or higher and have attempted at least 48, but fewer than 64 semester hours.
- 2.000 grade point average or higher and have attempted 64 or more semester hours.

For transfer students, the figure used for "semester hours attempted" will be the sum of transfer credits accepted by Mount Union and the credits attempted here at Mount Union. For example, a transfer student who was granted six credits for transfer work and who has attempted 25 credits at Mount Union would have attempted a total of 31 semester hours for the purposes of this policy. Pre-college (CCP) courses do not count toward semester hours for academic standing.

Please note that credit hours attempted, and grades awarded for approved transient work taken at another institution are considered to be part of Mount Union credits attempted and are included in the calculation of grade point average.

Satisfactory Progress

A student enrolled at Mount Union on a full-time basis is considered to be making satisfactory progress toward satisfying degree requirements if they have successfully completed at Mount Union a minimum of:

- 24 semester hours after two semesters.
- 48 semester hours after four semesters.
- 72 semester hours after six semesters.
- 96 semester hours after eight semesters.
- Or 24 semester hours during the preceding two semesters of enrollment at the University.

In addition, a student's performance must represent a pattern that does not jeopardize the chances of satisfactorily completing degree requirements within approximately 120 semester hours.

Credit awarded for transfer work accepted by the University and pre-college credit (CCP) accepted by the University are not included in the hours used to determine satisfactory progress under this policy.

Credit awarded for approved transient course work taken at another institution is considered to be part of Mount Union credits.

A semester in which a student withdraws completely from the University for approved medical reasons shall not be counted for purposes of determining satisfactory progress.

Please note that making Satisfactory Progress toward degree requirements does not necessarily ensure that the student is making Satisfactory Academic Progress for the purposes of financial aid eligibility.

Intercollegiate Athletics Eligibility

To be eligible for participation in the University's intercollegiate athletic program during the traditional season, a student must be enrolled full-time for the semesters of participation, must be in good academic standing and be making satisfactory progress toward a degree. To be eligible for participation in the University's intercollegiate athletic program during the non-traditional season, a student must be enrolled full-time for the semesters of participation. These requirements are in accordance with National Collegiate Athletic Association (NCAA) guidelines.

Academic Review

At the end of each semester, the record of all students determined to be in or eligible for the following categories will be reviewed by the Probation and Suspension Committee: "good academic standing with warning," "academic probation," "academic suspension," or "academic dismissal." The voting membership of the Committee consists of two faculty members from the Academic Policies Committee and a designee from the Office of Academic Affairs. Several administrators representing Academic Affairs, Enrollment Services, and Student Affairs provide support for the Committee.

After reviewing a student's record, the Committee may suspend (or dismiss) a student. Alternatively, the Committee may allow the student to continue enrollment, with or without conditions. Such conditions may include mandating periodic meetings with the Director of Academic Support or other staff in the Center for Student Success, requiring a reduced course load, requiring a grade objective for a specified semester, or other conditions that may be appropriate for a student. Regardless of conditions for continued enrollment (if any), a student who is not in "good academic standing" is considered to be on "academic probation," and may be required to limit participation in extracurricular activities and may incur financial aid restrictions.

Good Academic Standing with Warning

Students may be placed on "good academic standing with warning" after earning a semester GPA below the good academic standing benchmark, for not meeting all academic and non-academic requirements of a conditional admission, failure of a First Year Seminar (FYS) or Transfer Student Seminar (TRF), or immediately following a semester of good academic standing. Students may also be placed on "good academic standing with warning" if after their first semester of enrollment at Mount Union, they earn a semester GPA below 1.600.

Students receive individual written or digital notifications of an Academic Warning status that explain the requirements that must be met for return to good academic standing. This warning alerts the student to potential difficulties and students are encouraged to contact their advisor or the Center for Student Success, who will assist in the development of improved study plans.

Academic Warning status is not part of a student's permanent educational record and does not affect intercollegiate athletic eligibility or the ability to participate in other extracurricular activities. During the semester of Academic Warning status, students may be restricted to a certain minimum or maximum credit hour load. Students placed on Academic Warning may be required to participate in programs designed to help them improve academic skills and performance through the Office of Academic Support or Center for Student Success. Failure to participate in required programs by the seventh week of the semester will remove the student from "Good Academic Standing" status which will subsequently have consequences regarding athletic eligibility and participation in extra-curricular activities.

Academic Probation

Students may be placed on Academic Probation if their cumulative grade point average falls below the Good Academic Standing benchmarks. For example, a student who has completed more than two semesters of enrollment at Mount Union, has not reached a 1.750 grade point average or higher, and has attempted at least 31 but fewer than 48 semester hours will be placed on Academic Probation. Students receive individual written or digital notifications of an Academic Probation status that explain the requirements that must be met to return to good academic standing. Students should contact their advisor or the Center for Student Success, who will assist in the development of improved study plans.

Academic Probation status is part of a student's permanent educational record and does affect intercollegiate athletic eligibility (see Intercollegiate Athletic Eligibility). During the semester of Academic Probation status, students may be restricted to a certain minimum or maximum credit hour load. Students placed on Academic Probation may be required to participate in programs designed to help them return to good academic standing. Failure to comply with the conditions of Academic Probation may result in further restrictions on registration or Academic Suspension or Academic Dismissal.

Academic Suspension

Academic Suspension in enrollment is the involuntary separation of a student from the University for a specified period of time. At the end of such period, the student may be eligible to apply for readmission; procedures for readmission application are listed in "Readmission after Suspension." A student is subject to Academic Suspension from the University if the student:

- Has a cumulative grade point average below that required for "good academic standing."
- Has already been in the categories of "good academic standing with academic warning" or "academic probation" and fails to show continued progress toward achieving good academic standing.

- Fails to show satisfactory progress toward meeting the requirements for a degree.
- Is determined to have violated academic honesty policies.
- Becomes subject to disciplinary procedures; in cases where a disciplinary action is deemed to be egregious, immediate involuntary separation may be recommended by either the Provost or the Dean of Students.

There may be occasions in which a student is on Financial Aid Suspension but remains eligible to take classes at the University. This is not considered to be an Academic Suspension. A suspension based on unsatisfactory academic performance will be considered a "Financial Aid Suspension" and will be noted accordingly on the student's official academic record. A suspension based on unsatisfactory conduct and/or ethics will be considered a "Disciplinary Suspension" but will not be noted on the official academic record.

Academic Dismissal

Academic Dismissal is the involuntary separation of a student from the University and may be permanent. Dismissed students may be ineligible to apply for readmission. A student is subject to Academic Dismissal from the University if the student:

- Has been suspended for academic reasons on two or more occasions.
- Would normally be subject to suspension but the circumstances involved are considered, by either the Provost or the Dean of Students, to be egregious; in cases of such seriousness, immediate dismissal may be recommended.

A dismissal based on unsatisfactory academic performance will be considered a "Financial Aid Dismissal" and will be noted accordingly on the student's official academic record. A dismissal based on unsatisfactory conduct and/or ethics will be considered a "Disciplinary Dismissal" but will not be noted on the official academic record.

Appealing Academic Suspensions or Dismissals

A student appeals a suspension or dismissal decision by submitting a written letter of appeal to the Office of Academic Affairs. Students are advised to obtain letters of support from faculty members or advisors.

The designee from the Office of Academic Affairs will convene a meeting of the Appeals Committee approximately two weeks after the original meeting. The Appeals Committee will consist of three voting members: two faculty members from the Academic Policies Committee who were not on the initial Probation and Suspension Committee, and a student from the Academic Policies Committee or a student recommended by the Office of Academic Affairs or the Office of Student Affairs. The designee from the Office of Academic Affairs will notify students who submit an appeal of the decision made by the Appeals Committee.

A student may request that the Vice President for Academic Affairs reconsider a suspension or dismissal decision of the Appeals Committee only when additional pertinent information becomes available. The Vice President for Academic Affairs makes a decision and notifies the student in writing. No additional appeals are allowed.

Readmission after Suspension

A student suspended from the University for academic reasons is eligible to apply for readmission after a hiatus of at least one semester not including the summer terms. Thus, a student suspended at the end of the spring semester will be eligible to be considered for readmission after the following fall semester. Applications for readmission after suspension must be submitted to the University Registrar and will be reviewed by the Dean of Students and the University Registrar.

A student who attends another college or university after being suspended from Mount Union must submit an official transcript from that school before the application for readmission will be considered. Students returning to the University of Mount Union from academic suspension are limited to a maximum load of 16 semester hours.

CREDIT FOR TRANSCRIPTED AND NON-TRANSCRIPTED WORK AND ACCEPTANCE OF TRANSFER CREDIT

Transcripted (Transfer) Credit

A student admitted to the University of Mount Union after having attended another institution of higher education, including students who have earned an associate's degree, must provide an official transcript of his or her academic record at all previous institutions. This transcript will be the basis for determining what, if any, transfer credit will be accepted by the University of Mount Union; such determination will be made by the Office of the University Registrar at the time of admission on a course-by-course basis. To be eligible for transfer to the University of Mount Union academic record, a transferred course must have been completed at a regionally accredited college or university, must have a grade of "C" or better and must be in an academic discipline in which courses are offered by the University of Mount Union. Any credit granted at the time of admission is conditional and may be withdrawn if a student is deemed incapable of successfully completing advanced work. Grades for transfer work accepted by the University of Mount Union will not be included when calculating the student's University of Mount Union grade point average.

Acceptance of Transcripted (Transfer) Credit

Credit for undergraduate transfer work will be considered if the potential course meets all of the following conditions:

- The course was taken at a regionally accredited college or university.
- The course carries a grade of "C" or better.
- The course is equivalent to a course offered by the University of Mount Union in an academic discipline.
- Courses taken at other institutions may be combined to satisfy one or more equivalent University of Mount Union courses, but no course may be counted more than once in calculating transfer credit. Students may be required to provide additional supporting documentation such as a course description or a syllabus for a class to be considered for Transfer of Credit.

The award of transfer credit may also be considered in the following cases:

- In an academic discipline or area that a University of Mount Union program does not specify a course, a student may submit for transfer of credit consideration a course not offered by the University of Mount Union but directly related in its content to the area requirement. For example, a student may submit for transfer of credit consideration for a Humanities course not offered by the University of Mount Union, but the course can be justified as a Humanities course and therefore be an acceptable transfer of credit to satisfy that requirement.
- In an academic discipline or in general education where courses are specified, a student may submit coursework to the University of Mount Union that is in a related discipline that may substitute for the required course(s). Course substitutions must be approved by the Department Chair.

All coursework will be evaluated for its current relevance and may not transfer if the material in the coursework is deemed to be significantly non-current in the subject area. Individual disciplines within the University of Mount Union may place limits on the age or relevance of courses eligible for transfer of credit.

Transfer credit will not be given by the University of Mount Union for developmental courses such as basic Mathematics or basic English (typically noted as less than 100 level coursework). Students should consult with the Office of the University Registrar about questions related to acceptance of transfer credit.

Acceptance of credits earned at other institutions, through examination, other institutions, and/or other means described in this catalog is limited to a balance of transfer credits where the student must complete a minimum of 48 semester hours at the University of Mount Union before receiving a University of Mount Union degree, including at least 16 credit hours in a Major and 8 credit hours in a Minor. Note that programmatic accreditation and/or specific state requirements may alter these minimums.

Integrative Core Transfer Credit

The Integrative Core courses at the University of Mount Union include First Year Seminar (4 semester hours); four Foundations courses with one course from each of the following areas: Humanities, Fine Arts, Natural Sciences, and Social Sciences (16 semester hours); two Explorations courses with one course from each of the following areas: Diversity and Global Learning, and Values and Reasoning (8 semester hours); and a Senior Capstone (4 semester hours).

The limitations on transfer credits applied to the Integrative Core are as follows:

- All students must earn credit for the First Year Seminar and IC Capstone course at the University of Mount Union.
- A student who earned an associate degree under the College Credit Plus Program from a regionally accredited institution must take FYS in their first semester; however, that student has fulfilled the Raider Foundations Portfolio and all four Foundation course requirements.
- Transfer students must earn credit for either TRF 100 or TRF 200 in lieu of FYS 100/105. Transfer students must take TRF 100 or TRF 200 in their first semester.
- Transfer students who have earned an associate degree from a regionally accredited institution have fulfilled the Raider Foundations Portfolio and all four Foundation course requirements.

Transfer of Remedial Coursework

The University of Mount Union does not accept remedial, or pre-college, coursework for transfer of credit. Many institutions offer remedial, developmental or para-professional courses that are not considered college level. These courses, typically indicated as "pre-college" or with a prefix of "099" or lower, are not transferrable to the University of Mount Union. This includes, but is not limited to, pre-college/remedial English, pre-college/remedial Math, and English as a Second Language (ESL) courses. For additional information, please contact the Office of the University Registrar.

Rejection of Transfer Credit

The University of Mount Union reserves the right to reject any or all undergraduate credits from other institutions, regardless of their accreditation status, when it determines through investigation or otherwise, that the quality of instruction at such

institutions is for any reason deficient or unsatisfactory. The judgment of the University of Mount Union on this question shall be final. The University of Mount Union reserves the right to disallow transfer credit for courses if the student's subsequent grades in required courses in the same subject fall below acceptable standards.

Acceptance of Non-transcripted Credit

The University of Mount Union offers students an opportunity to obtain course credit and/or satisfy requirements of general education or program specific requirements in areas of competency through several non-transcripted means, including AP Examinations, University of Mount Union-administered proficiency examinations, and military experience and training, as recommended by the American Council on Education (ACE). The University of Mount Union does not award credit for life experience. Acceptance of credits earned at other institutions, through examination, and/or other means described in this catalog is subject to approval by the Department Chairs and the University Registrar.

College Board Advanced Placement (AP) Examinations

The University of Mount Union supports the College Board's Advanced Placement Program, which allows high school students the opportunity to pursue college level courses in their own schools and to be taught the material by their own teachers. After completion of the AP courses, students take the appropriate AP examination to determine their level of achievement. For college credit and/or proficiency to be awarded, a student must have official score reports from the College Board sent directly to the Office of University Registrar at the University of Mount Union. While there may be different AP examination score requirements, it is generally accepted that the University of Mount Union will accept AP examination scores of 4 or 5 as transfer credit and/or proof of proficiency. Programmatic requirements may require higher or lower scores for transfer credit. Students should consult the Office of the University Registrar for specific score requirements.

Credit by Examination

CLEP certification exams may be submitted for evaluation for course credit. The general guidelines for awarding credit require: no score less than 50 on the CLEP test will be considered for course credit.

If students earn a credit granting score for a CLEP exam that does not directly correlate to a course offered by the University of Mount Union, credit may be awarded as a free elective. Credits earned by examination are considered in the same way as transfer credits and are not used in the computation of the student's grade point average. Students should consult with the Office of the University Registrar for a complete list of acceptable CLEP examinations.

Global Seal of Biliteracy

Students who have earned a Global Seal of Biliteracy in a modern world language may be awarded credit. General conditions of transferring credit also apply here, regardless of credit earned through the Global Seal of Biliteracy program. Students demonstrating the functional skill level will receive 4 semester credits, whereas students demonstrating the working skill level will receive 8 semester credits. Entering students are encouraged to speak with the chair of the Department of World Languages and Cultures in order that they may begin language course work at the proper level.

Credit by Education Training

College credit may also be awarded for education training completed through the armed services or other government chapters. The University of Mount Union is guided by the principles and recommendations of the American Council on Education (ACE) guidebooks when assessing requests for credit earned in this manner. Students must have their ACE transcripts sent directly from the Center for Adult Learning and Educational Credentials to the Office of the University Registrar for evaluation.

University Credit for Military Experience and Training

The University recognizes and uses the American Council on Education (ACE) Guide to the Evaluation of Educational Experience in the Armed Services to determine the value of learning acquired in military service. Credit may be awarded for appropriate learning acquired in military service at levels consistent with ACE Guide recommendations when applicable to a Service member's program. In addition, we utilize Joint Services Transcript (JST) or Community College of the Air Force (CCAF) Transcripts in our processing of prior learning experiences for possible transfer credit.

Students who wish to have their military experience and training evaluated for credit should send the JST or the CCAF transcript to the Office of the University Registrar. Credit will be applied upon the approval of the Department Chair from the appropriate academic discipline and the University Registrar.

Pre-College Credit/Dual Credit (College Credit Plus Program)

Students who have completed regular accredited college courses while in high school through the College Credit Plus Program may, by having a copy of their transcript sent from the credit-granting college (not the high school transcript), be awarded credit per Mount Union policy. General conditions of transferring credit also apply here, regardless of credit earned through the College Credit Plus program. Entering students are required to take certain tests at the time of entrance to the University and are encouraged to take placement tests in applicable areas in order that they may begin course work at the proper level.

International Transfer Credit

The University of Mount Union recognizes students who have completed university-level credits at an institution outside the United States. These international credits may be applied toward a University of Mount Union degree. The following are some basic guidelines regarding the transfer of international credits:

- Credits will not be accepted from a school or institution that is not recognized by the local Ministry of Education (or equivalent). Credits will also not be accepted unless they are considered "university-level" within the original international educational system.
- Credits will be calculated to conform to the structure of the U.S. educational semester system. The definition of a semester credit in another country is not necessarily the same as the U.S. definition.
- Original transcripts (whenever possible) and evaluation documents will be accepted and must be translated in English.

Timing of Transcripted and Non-transcripted Credit Consideration and Acceptance

The University of Mount Union will accept transcripts for transcripted (transfer) and documentation of non-transcripted credit evaluation up to the student's last 32 credit hours prior to graduation, provided the limits placed on the total number of credits earned at the University of Mount Union are met. For credits to be transcripted on the official University of Mount Union transcript, students must submit official transcripts from other institutions no later than the end of the student's first semester, if a first time Mount Union student or no later than the end of the semester immediately following the term in which the credit was earned, if the student is enrolled in any semester beyond their first semester at the University.

Students are encouraged to submit all transcripts for transfer of credit evaluation or documentation for non-transcripted credit as soon as possible upon admission to the University of Mount Union to enable accurate evaluation by the Office of the University Registrar and for scheduling of courses. Official transcripts must be received by the Office of the University Registrar no later than the end of the student's first semester at the University of Mount Union.

Notice Concerning Transferability of Credits Earned at the University of Mount Union

In the U.S. higher education system, transferability of credit is determined by the receiving institution taking into account such factors as course content, grades, accreditation and licensing. For this reason, the University of Mount Union does not imply, promise, or guarantee that credits earned at the University of Mount Union will be accepted by another college or university. If the credits or degree you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all of your coursework at that institution. Students considering transferring to another college or university are responsible for determining whether that school will accept the University of Mount Union credits. The University of Mount Union encourages students to initiate discussions with the potential transfer school as early as possible.

Definition of a Credit Hour

The University of Mount Union operates on a semester system, with each semester having approximately 16 to 17 weeks. The University of Mount Union defines a credit hour as an expectation of student learning outcomes that can typically be achieved in 42-45 hours* of student work. This definition presumes the following:

- Student learning outcome achievement will be demonstrated by documented quantitative and qualitative evidence.
- Expectations are based on many types of learning experiences (classroom, laboratory, clinical, practica, internship, studio work, individual study, group work, other academic work, etc.) and modes of delivery (face-to-face, on-line, etc.).
- Expectations are based on degree level, course-level, and discipline.
- This definition is a minimum standard and courses may exceed this standard with more challenging outcomes that typically require a greater number of hours.

**This represents a minimum of 2 hours of independent work per week for each hour of direct faculty instruction.*

Credit Hour Conversions

Some regionally accredited institutions operate on a quarter hour system versus a semester hour system. When considering transfer credits from a regionally accredited institution on a quarter hour system, the University of Mount Union uses the standard quarter hour to semester hour conversion. Using this conversion, one semester hour equals 1.5 quarter hours, or 1 quarter hour equals .6667 semester hours. To convert semester hours into quarter hours, divide the quarter credit hours by 1.5 or multiply the semester credit hours by .6667. To convert quarter hours into semester hours, multiply the semester hours by 1.5. Typical graduation requirements are 180 quarter hours under a quarter system and 120 semester units under a semester system. 180 quarter credits divided by 1.5 = 120 semester credits; 120 semester credits multiplied by 1.5 = 180 quarter credits. At the discretion of the Office of the University Registrar, credits can be combined to increase the likelihood of transfer credit.

Registration and Enrollment

Faculty Advisors

Academic advising constitutes a key element in the educational plan of Mount Union. At the time of admission to the University, each student is assigned to a faculty member who serves as their initial academic advisor. When a student declares a major, the chair of the major department will assign a faculty member in the department to serve as academic advisor to the student. In addition to this assigned faculty advisor, other members of the University faculty and administration are available to assist students with academic and personal problems.

Registration

For currently enrolled students, each semester during the academic year, all students except graduating seniors will confer with their respective advisors, plan and select a schedule of approved classes for the following semester and then complete registration for the next semester at the appropriate times published by the Office of the University Registrar. Scheduling may be done using web registration.

First time students entering in the fall semester will register during the preceding summer. New students entering in the spring semester will register during the break between the fall and spring semesters.

All continuing and new students are expected to be registered and have paid their fees or have satisfactory financial arrangements made prior to the start of each semester. Those who are unable to register until the first week of classes may do so on Self Service (if authorized by their advisor).

No late registrations are permitted after the first week of the semester without written approval from the University Registrar.

Prerequisites

Many courses have prerequisites, and these may range from class standing to a series of specific courses. Course prerequisites are noted for each course in the departments' "Course Description" section located near the back of this Catalog. It is the student's responsibility to make certain that they have met all prerequisites prior to registration for a course. A student will not be permitted to remain in a course for which the prerequisite has not been satisfied.

Prerequisite Definition. Prerequisite is a condition of enrollment required to demonstrate current readiness for enrollment in a course or educational program. A prerequisite represents a set of skills and/or a body of knowledge that must be possessed prior to enrollment and without which success in the course or program is unlikely. Successful completion of appropriate prerequisites is required to enroll in such courses.

Corequisite Definition. Co-requisite is a condition of course enrollment consisting of a course that must be taken at the same time (concurrently) to enroll in another course. A co-requisite represents a set of skills and/or a body of knowledge that must be acquired through enrollment in another course at the same time. Withdrawal from one or more co-requisites will require withdrawal from all courses with the co-requisite requirement.

Enrollment Priorities

As with all institutions, the University cannot offer enough sections of all classes to ensure that all students can enroll in all the courses they wish each semester. For this reason, enrollment in some courses is limited to students who must have the course for their major or minor. Ineligible students who enroll in such courses will be withdrawn by the Office of the University Registrar. Often, when those needs have been met, any eligible student may enroll in the course, however students not needing the class to meet major or minor requirements may be denied enrollment throughout the entire registration process.

Class Limits

Class limits are established by each department; when this limit is reached during the registration process, the class is considered closed. Written approval by the instructor is required to be registered in a closed class.

Course Load and Overload

With the approval of their advisor and the respective College Dean, a student may register for an academic credit load up to and including 20 semester hours. A load ranging from 12 to 20 credit hours is considered full-time and is assessed fees accordingly. An academic load in excess of 20 credits is considered an overload and therefore requires the approval of the respective College Dean and is subject to an additional fee for which financial aid is not applicable. Courses for music ensembles, music private lessons, theatre practicum, DWOC Practicum, and Education Practicums (1 credit hour or less for students seeking licensure) are not counted toward course load, nor are they subject to an overload fee. Students in the Honors Program may register for up to and including 24 semester hours. An academic load in excess of 24 hours for honors students is considered an overload and therefore requires the approval of the respective College Dean and is subject to an additional fee for which financial aid is not applicable. Freshmen in the first semester may not enroll in more than 18 semester hours without the approval of the University Registrar.

Students attending another institution as a transient student at the same time that they are registered for courses at the University of Mount Union are subject to the same limitations on overload. The determination of whether or not the student has an

overload will be based on the sum of the hours taken at Mount Union and the other institution. Students attending other institutions in the summer are subject to the same credit hour limitations that would apply at the University of Mount Union. Any course load above that limit would require approval by the University Registrar.

Drop/Add/Withdrawal Policy

The University takes add, drop, and withdrawal deadlines very seriously. Students are responsible for verifying enrollment before the Drop/Add period. Making adjustments to a schedule by either adding, dropping or withdrawing from a course may have financial and billing implications. Students should be familiar with financial aid policies and billing refund policies before making schedule adjustments.

During the fall and spring semesters the Drop/Add period occurs during the first week of classes. Students may change their schedule by adding (subject to availability) or dropping classes. Exception: A student who is enrolled in his/her first semester at the University must obtain the signature of his/her advisor prior to dropping or adding a course. The completed and signed schedule change form must be taken to the Office of the University Registrar. Beginning the second week, courses may not be added except internships, practicums, music lessons and ensembles. Dropping a class after the Drop/Add period has ended will result in a "W" grade. Enrollment is not permitted after the first week of the semester.

Withdrawals from classes processed by Friday of the first week of the semester will not appear on a student's official academic record. From the second week through the first day of the eleventh week of the semester (the end of the fifth week for courses that meet for only seven weeks), students withdrawing from one or more classes must obtain the signature of both the instructor(s) and the advisor. A grade of "W" will be issued on the transcript. The completed and signed schedule change form must be taken to the Office of the University Registrar. The date that the schedule change form is received and processed by the Office of the University Registrar will be the "official withdrawal date" from the class or classes being dropped. For courses that are taught in only the first or second half of the semester, the withdrawal deadline will be the end of the fifth week of the course. Designations of "W" are not used in computing a student's grade point average. Withdrawals, other than those for medical or non-academic hardship, processed after the first day of the eleventh week of the semester will be recorded on the student's official academic record as "F" and this grade will be used in computing the grade point average.

With the approval of the Dean of Students of the University, a student may withdraw anytime for verified medical or other non-academic hardship; such withdrawal will be recorded on the student's official academic record as "W." A withdrawal for verified medical reasons may be made in extraordinary cases in which a serious physical, emotional or psychological condition prevents a student from continuing with his or her program of study. A student must make a request for withdrawal for medical reasons with the Office of Student Affairs. The student must provide a letter from his or her attending healthcare provider specifying the date of the illness, dates the student was under professional care, general nature of the student's medical condition, why/how it prevented the student from completing his or her coursework and the last date the student was able to attend classes. The letter must be submitted on the healthcare provider's letterhead stationery. A withdrawal for medical reasons, when approved, will be applied to all courses for a given semester. Students are not permitted to withdraw from individual courses for medical reasons.

Withdrawal Process

A student who wants to withdraw from the university after classes have started for the semester initiates the process with the Office of Student Affairs to indicate the withdrawal. The official date of withdrawal is the date the student contacted the Office of Student Affairs OR the midpoint of the semester if the student leaves without notifying the institution OR the student's last date of attendance at a documented academically related activity. This policy applies to students who withdraw from all of their classes for the semester or are suspended.

Students who participate in activities on campus prior to the first day of classes and then submit written notice of withdrawal prior to the first day of classes shall be assessed an early withdrawal fee of $150.

The charges for tuition, fees, room and meal plan assessed to the student are based on the number of calendar days (including Saturday and Sunday) that the student is enrolled on campus in direct proportion to the period of enrollment (number of calendar days in the semester). The student who withdraws after 60 percent of the enrollment period will be charged for the whole semester and will be eligible for financial aid based on the semester costs.

Leave of Absence (LOA) Policy

A Leave of Absence (LOA) is a temporary interruption in a student's program of study at the University of Mount Union. There is a reasonable expectation that the student will return from the leave. LOA refers to the specific time period during a program when a student is not in attendance but remains an active student at the University of Mount Union. It does not refer to non-attendance for a scheduled break in a student's program, nor is it meant to include situations addressed by course incompletes. Students may not use the LOA policy to take courses at another institution for transfer credit or approved transient work. Prior approval and exceptions may be granted to students using the LOA policy to attend a non-credit bearing program that is deemed beneficial to the student's overall academic studies. International students are not permitted to take any form of LOA from the University.

The University of Mount Union grants a Leave of Absence for up to one full semester within an academic year (excluding Summer terms) to a matriculated undergraduate student in good standing. The Office of the University Registrar will provide an

application which must be completed and signed during the mandatory exit interview with the Dean of Students of the University. The signature of the University Registrar or representative, the signature of the Director of Student Financial Services or representative, the signature of the Dean of Students or representative, the signature of a designee from the Office of Academic Affairs, and the signature of the student's advisor indicates approval of the LOA, which becomes effective on the date listed on the LOA form. Documentation submitted with the application for a LOA may be required for approval. The reentry date will be indicated on the LOA form. Please note that while the University may grant up to a full semester of LOA, any period exceeding 180 days may result in a change to the student's financial aid status. Students should consult with financial aid prior to taking a LOA from the University.

LOA will be granted only before the official Drop/Add period has ended during the semester for which the student is registered. Once a term/semester begins, a LOA will only be granted to those with extenuating circumstances and students must submit supporting documentation along with the LOA form. Students who are denied a LOA once the term/semester begins will be treated as a withdrawal for financial aid recalculation purposes. Students who do not return from an approved LOA on the reentry date indicated will be retroactively withdrawn from the University. Students may apply for an extension on an approved LOA as long as the total LOA sum of days does not exceed one full semester within an academic year (excluding Summer terms).

Students applying for a LOA, and who owe an outstanding balance to the University, must clear the debt before returning from the LOA. Students approved for a LOA will be subject to the same policies governing an outstanding balance as a student who is seeking readmission to the University. Any student considering requesting a LOA that received financial aid, should consult with the Student Financial Aid Office to determine how their financial aid will be affected. Students who take an official Leave of Absence (LOA) will be considered an official withdrawal for financial aid purposes. Federal regulations require that the Office of Financial Aid calculate a Return of Title IV for LOA cases.

Admission to Class

No student is permitted to attend any class section unless they are officially registered for that class section. A student is considered registered only if their name appears on the official class roster. A student will receive neither credit nor a grade in a course for which they were not officially enrolled.

Auditing

Subject to space availability and permission of the instructor, a student may enroll in any class as an auditor. Deadlines and procedures for enrolling as an auditor are the same as for credit registration; however, the registration form must be noted appropriately to designate audit. After the third week of a semester, a student may not change from audit to credit or from credit to audit. The fee for auditing a class is one-half the per-semester hour rate assessed for credit courses. Private music lessons and ensembles are not available for audit.

Attendance Confirmation at the Start of the Semester

During the first week of classes, faculty are asked by the University Registrar to report any students not attending class who are on the class list and any students who are attending but are not on the class list.

- Any students who are notified that they are on a class list but are not attending the class must either immediately start attending the class, or they must withdraw from the class.
- Any student attending a class who is notified that they are not on the class list must immediately register and meet any financial obligations for that course, or the student will not be permitted to attend the class.

Class Attendance and Participation

Since there has been significant mutual commitment, by both students and faculty, to the academic process at Mount Union, it is expected that each student will attend and participate during all class and laboratory sessions for which the student is registered. A student who must be absent from a class for any reason should contact the faculty member prior to the absence if possible or, in the case of an emergency, as soon as possible thereafter in order to make arrangements to secure and/or make up missed assignments. Repeated absence can and probably will affect a student's final grade and, if not excused by the instructor, may subject the student to possible suspension or dismissal from the University. Students who stop attending a class and fail to formally withdraw will receive an "F" grade for the course.

A student who is required to miss class for health reasons is required to contact the Health Center for either treatment, release or referral. The medical staff will determine the seriousness of health problems and inform the dean of students when absence is legitimate; however, in all cases, the student is responsible to notify the faculty member and make up missed class work. In cases of prolonged illness or off-campus emergency, the student must notify the dean of students who will verify the circumstances and issue excuses when warranted.

Field trips and other academic off-campus activities, organized and supervised by faculty to support regular course work, are encouraged within the limits of reasonable time spent away from campus. A student may not be required to participate in a field trip which will necessitate missing other scheduled classes. A student who participates in a University-sponsored field trip does so voluntarily and is responsible to arrange for make-up for any class missed as a result of field trip participation. Plans for a

field trip which will necessitate participating students being absent from other classes must be cleared with the Vice President for Academic Affairs prior to such event.

Organized student activities and intercollegiate athletics may, as a consequence of external scheduling exigencies, interfere with regularly scheduled classes. It is expected that a participant in these activities will confer with their advisor and carefully evaluate course requirements when registering for classes each semester; conflicts of time and course workload may be cause for alternate course selection. Coaches and activity advisors are expected to explain activity schedules carefully and as early as possible; however, the student is responsible for arranging to miss classes and making up all work. In the event of a conflict between two field trips or extracurricular activities, the student reserves the right to choose, without penalty imposed by either activity director, which activity the student wishes to pursue.

Because absence detracts in different degrees from various learning and class participation expectations, only the course instructor or the Vice President for Academic Affairs may excuse a student from class. However, to avoid confusion, each individual instructor is expected to establish and explain in writing their attendance policy for each class at the beginning of each semester; such attendance policy should be coordinated with the class schedule/syllabus, the campus calendar and institutional priorities. Attendance conflicts will be resolved by the Vice President for Academic Affairs who may confer with all parties involved. Absences resulting from bona fide emergencies, if verified, may be excused by the Vice President for Academic Affairs, and work missed may be made up. Prolonged absence for any reason may result in withdrawal, a grade of "I" (incomplete), or "F" (failure) depending on the nature of the course work missed and the circumstances of the absence.

Final Examinations

Final examinations will be conducted at the conclusion of each academic term during the period designated in the academic calendar. A final examination schedule, specifying days and times for courses, will be established and published each semester by the University Registrar. Courses that end at the mid-point of the semester will conduct final exams on the published half term exam day in the 8th week of classes. All final examinations must be conducted according to the schedule. A student may not take an examination at other than the designated time without petitioning and being granted permission to do so by the Academic Policies Committee, or, in case of emergency, the University Registrar or designee of the Office of Academic Affairs.

In addition to petitioning for personal reasons, a student scheduled for three consecutive examinations in a 24-hour period may petition for a change of time of one of the three examinations. All three exams must start and end within a 24-hour period. When this criterion is met, the University Registrar will have the authority to examine and approve the petition.

No petitions requesting examination time changes will be accepted after the twelfth week of a semester.

If the student cannot be present for an examination, it is the student's responsibility to advise the faculty member. Unless extenuating circumstances exist, a grade of "F" will be assigned for any missed examination. Cases involving extenuating circumstances must be reviewed by the Vice President for Academic Affairs, the department chairman and the faculty member and usually will result in the assignment of a grade of "I" (incomplete).

Call to Active Military Service

The University of Mount Union will assist students who are called to active military duty on a case-by-case basis. A student must present their duty orders to the Dean of Students. The date of deployment, as well as the judgment of University personnel/faculty, will determine the options that are available to each student. The student must consult with Academic Affairs and Student Financial Services to make appropriate arrangements for leaving and eventually returning to the campus.

Readmission for Students Returning After a Break in Enrollment

A Mount Union student whose attendance at the University is interrupted, either by suspension or by withdrawal for any reason, must apply for readmission with the Office of the University Registrar and be approved for readmission by the University Registrar or an Academic Affairs designee and a Student Affairs designee, in order to resume academic work at Mount Union. An extended absence may result in reassessment and/or adjustment of degree requirements. A student who has attended any other institutions since leaving Mount Union will have to submit transcripts from each school attended before being considered for readmission.

Attending another institution as a transient student or as part of a Study Abroad program is not considered a 'break in enrollment.'

Students returning from a break in enrollment due to active military service are not required to complete the readmission application, as they are already approved to return, with the same academic status they had when last attending or accepted for admission. This applies to any student who cannot attend, or has a break in attendance, due to military service.

Special Educational Opportunities

Honors Program: The Honors Program provides academic opportunities and challenges for the motivated student who desires to work more in-depth with highly engaged peers and to work more independently than would be usual in a regular course. The aim is to encourage intellectual curiosity, initiative, creativity, experiential learning and a high standard of performance.

Two Honors programs are available: University Honors and Honors in the Major. A qualified student may participate in either or both programs and may discontinue honors study without penalty. Students beginning in University Honors and electing to discontinue honors study will transition to the standard Integrative Core. Cases of academic dishonesty may result in the student forfeiting any honors designation.

The Subcommittee on Advanced Placement and Honors serves as the agency for matters of policy, for coordination of the Honors Program, for overseeing standards and for carrying on a continuing evaluation of the program. The Honors Review Board considers proposals for honors projects and theses in both the Honors in the Major and University Honors programs. For more information about these programs, contact the Honors Director at honors@mountunion.edu and visit the Honors webpage at https://www.mountunion.edu/honors-program.

University Honors: The University Honors Curriculum fulfills a student's Integrative Core requirements and includes a first year seminar (fall of first year), three Honors Mission Seminar courses and an Honors Capstone (senior year). University Honors students must fulfill the university world language and mathematics proficiency requirements, as well as successfully complete a Second Year Raider Foundations Portfolio.

All incoming students with a high school GPA of 3.75 or above will be invited to apply for the Honors program. All other interested students are encouraged to apply and will be evaluated holistically for possible admission to the program. To receive Honors credit for an Honors course, indicated by an H prefix to the final grade (e.g., HA, HA-, etc.), a student should earn at least a B+. Students seeking Honors credit for an Honors course grade below B+ may submit an appeal to the Honors Review Board via the Honors Director.

Honors in the Major: The Honors in the Major Program offers the opportunity for intensive, individual study in an area of concentration. Although the nature of the honors work will vary, it should involve intellectual creativity and may take such forms as research, investigation, or artistic effort. The student initiates and plans the honors project and works closely with one or more faculty members in carrying it out.

Students are eligible to apply for Honors in the Major with a 3.5 GPA or the GPA required for the honor society in their major. Other interested students are also encouraged to apply and will be considered based on the recommendation of faculty in their major. For graduation with Honors in the Major, a student must either have at least a 3.50 grade point average both overall and in the major or meet the GPA requirements for their departmental honors society.

The Honors in the Major program has two options, determined by the participating departments. Students must submit an application to be approved for Honors in the Major. The application for the Honors in the Major Program can be found on the portal.

Option 1: Students will complete an Honors in the Major project in three courses, totaling 12 semester hours, at least two of which must be 300-level or above. Students must earn at least a B+ in the course to earn Honors in the Major credit. Project proposals are due to the honors director(s) by the end of the third week of class. They must be approved by the instructor, the departmental liaison and the honors director(s). The honors project is done in addition to the normal course assignments and does not directly affect the course grade. Honors in the Major Project Proposal forms can be found on the portal. Because of the significantly higher expectations of honors work, students are limited to a total of two honors courses per semester.

Option 2: Students will complete an Honors Thesis in the major (minimum 4 sem. hours). Students must earn a B+ or higher for the thesis to receive honors credit. Proposals for an Honors Thesis are due by the end of the 12th week of the semester prior to proposed thesis project.

To receive designation as Honors in the Major, students must submit a report about their projects or thesis to the Honors Director(s). The report will include a description of the projects or thesis, as well as reflection on challenges and benefits of the work, an explanation of how it relates to their overall educational experience within their major, and how the Honors work may relate to their broader vocational plans. The report will be reviewed by the Honors Director(s) and Honors Subcommittee. The report form can be found on the portal.

Students who, in the opinion of the department chair and the Honors Review Board, have met these requirements will be graduated with "Honors in _____," the major being specified in which credit for honors work is earned. Special recognition will be given on graduation day for students who earn Honors in the Major.

Directed Study

Directed study is a means by which a junior or senior student under extenuating circumstances (schedule conflict, course not offered during term or year of graduation, overload, etc.) may be permitted to pursue a credit course on an individualized basis. A Directed Study course must utilize the regular course syllabus of topics, readings and assignments. The student must be highly motivated and is responsible to acquire the requisite knowledge for satisfying course requirements with only occasional direction and/or assistance from the faculty member. A student who wishes to request a directed study must complete the Directed Study Request form and go through the approval process.

Independent Study

Independent studies provide a student with the opportunity for intensive effort in a specific area of study not normally offered by a department. A student who undertakes an independent study should express a willingness to go beyond standard course offerings into an area of special interest to that student. Therefore, the independent study does not duplicate a course regularly offered by a department or contained in a department's list of courses listed elsewhere in this Catalog.

English as a Second Language Program

Mount Union offers courses targeted to improve oral and written English language skills. English as a Second Language courses are available to any non-native speaker of English through the Department of World Languages and Cultures. These courses may be required for those students who need to improve their English language proficiency in order to meet the demands of academic work at the University. In addition, international students are encouraged to select from English as a Second Language courses in content areas, such as literature or film, which are designed to promote fluency with American culture and facilitate cultural adjustment. For further information, students may contact the director of the English as a Second Language Program in the Department of World Languages and Cultures.

Latin Honors

The following awards are made for superior work. Latin honors are based on Mount Union Grade Point Average (GPA), which includes study abroad coursework and transient, not transfer, credit as approved by Mount Union. Undergraduate students must have earned at least 60 hours from the University to be eligible for Latin Honors at graduation.

- ***Cum Laude*** – grade point averages in the range 3.550 through 3.749.
- ***Magna Cum Laude*** – grade point averages in the range 3.750 through 3.899.
- ***Summa Cum Laude*** – grade point averages in the range above 3.899.

Experiential Learning

Experiential learning at the University of Mount Union provides students opportunities to acquire practical knowledge and skills from direct experiences outside a traditional classroom or laboratory setting. Experiential learning can include service-learning, internships, study abroad, co-operative education, independent research and co-curricular activities. Co-curricular activities may include community service, alternative break trips, philanthropic outreach, student organizations and leadership.

Opportunities for experiential learning will:

- Synthesize theory and skills for practical application.
- Encourage students to take initiative, make decisions, and be accountable for their successes and failures.
- Develop an appreciation of the demands and challenges of our local community or global society through civic and cultural engagement.
- Be a structured activity, which includes learning goals, observation, supervision, reflection, evaluation and assessment.

Internships

The internship program offers students' academic courses designed to provide practical field experience in the major area of concentration. These courses are designed and implemented under the immediate and continuing supervision of a faculty member who, with the student and site supervisor (usually a service or commercial institution manager), will determine learning objectives, background reading, particular experiences in the field and patterns of evaluation of the learning accrued. The amount of credit awarded for a particular internship is determined by the student's major department. In some cases, regular courses also may be taken concurrently. Students enrolled in an internship pay normal tuition and fee charges to the University. All internships are graded "S/U". Generally, internships are offered primarily to seniors, but arrangements vary according to departmental programs.

Characteristics of an academic internship

- Is generally a one-time experience at a specific work site.
- May be part-time or full-time.
- May be paid or non-paid.
- Is part of an educational program that provides careful monitoring and evaluation for academic credit.
- Contains an intentional "learning agenda" structured into the experience. This is an important element that distinguishes an internship from a short-term job or volunteer work.

- Includes learning objectives, observation, reflection, evaluation and assessment, which are learning activities common to most internships.
- Establishes a reasonable balance between the intern's learning goals and the specific work an organization needs done.
- Promotes academic, career and/or personal development.
- Provides a maximum of 16 semester credits during a student's entire career at the University of Mount Union.
- Graded on S/U basis.

(Parts adapted from materials published by the National Society for Experiential Education.)

Arranging an internship

- Step 1: Student advisor or department internship coordinator is contacted by the student.
- Step 2: Appropriate paperwork such as the learning contract/agreement and the student agreement is completed by appropriate parties. This paperwork must be completed before the commencement of the actual internship. Contract prototype is to be periodically reviewed by the Mount Union Human Resources Department. If the internship contract is changed in a substantive manner, it must be reviewed by the UMU Human Resources Department.
- Step 3: Student completes internship and submits departmental requirements as assigned.
- Step 4: Faculty supervisor completes all appropriate paperwork and submits grade.

Faculty oversight/supervision during internship

Faculty supervision of the intern during the internship will include the following:

- Maintain all paperwork to include the learning contract with learning objectives that are in line with the internship site requirements, student agreement, and other departmental paperwork as required.
- Collect and review weekly log/reflection journals from the student and provide appropriate feedback.
- Conduct one physical site visit if the internship site is within the greater Alliance area within 30 miles of the University of Mount Union. If outside the 30 mile radius, conduct visit via phone conversation, email, or Skype contact with the intern/site supervisor.
- Collect appropriate internship evaluations from the site supervisor and the student evaluation form.
- Complete grading requirements and submit grade.

International Education

Study abroad is a vital component of the international education experience of Mount Union students. Such study in a foreign country can be an extraordinary educational and personal experience. Those Mount Union students who undertake such study are directly exposed to new cultural experiences, which, in turn, open up fresh perspectives on international, political, economic, and social issues, as well as interpersonal relationships, and, perhaps, career choices.

The faculty director of the Center for Global Education and the University Registrar can help interested students plan and implement comprehensive educational opportunities which will blend the student's academic-career interests with the overall objectives of Mount Union.

In recent years the University has encouraged student overseas study in Germany, France, Spain, Japan, Australia, England, Costa Rica, and Italy. In all instances, Mount Union students are directed to highly selective foreign study programs. Some of these are conducted totally in English; others require varying degrees of fluency in the language of the host country and institution. Appropriate course credits earned overseas transfer to the Mount Union transcript.

A minimum G.P.A. of 2.5 is required for participation in most of Mount Union's study abroad programs. Certain programs require a minimum of 3.00 and others a 3.33.

In a limited fashion, the financial aid a student receives from Mount Union may transfer elsewhere and be used to meet the costs of study abroad. The University does this to make overseas study both feasible and attractive, as well as to give deeper meaning to its commitment to international education.

Study at Other Accredited Colleges and Universities as a Transient Student

Regular students currently enrolled at the University of Mount Union may register at other regionally accredited institutions as transient students during either semester of the academic year or for a summer session. All courses requested for transient credit must be approved by the University Registrar and are subject to the rules and regulations applicable to work completed at the University of Mount Union. Students who are on academic probation are permitted to take transient work at another institution without additional approval. However, if a student has a cumulative grade point average of less than 1.00, the student must get additional approval from the Vice President for Academic Affairs or designee from the Office of Academic Affairs.

A University of Mount Union student seeking to enroll as a transient student at another regionally accredited institution in order to earn degree-applicable credit for their University of Mount Union academic program, must obtain written approval to do so from the student's advisor and the Office of the University Registrar prior to enrollment at the other institution. Such approval will include determination of transfer credit equivalency. Departmental approval of transient courses is required if course work is being pursued to satisfy major or minor requirements or if course work is within the last 32 hours before graduation.

Approval must be obtained for each semester or session of transient attendance at another institution. Grades earned for course work pursued as a transient student at another institution will be included when the Mount Union student's grade point average is calculated. The University of Mount Union approval to take transient work does not guarantee that the student will be admitted to take course work by the other institution. Once students have completed approved transient coursework, they must submit an official transcript of the work to the Office of the University Registrar no later than the end of the following full semester of enrollment at the University of Mount Union. Official transcripts of transient work received after the end of the first full semester of enrollment at the University after the approved transient work is completed, may not be accepted as transient work and will be recorded as transfer work on the student's official University of Mount Union transcript.

Students who wish to repeat a University of Mount Union course for change of grade may not take the course as a transient student at another institution. The course must be repeated at the University of Mount Union.

However, students who wish to repeat a University of Mount Union course for change of grade may do so at another institution as a transient student in special and extenuating circumstances. The approval of transient courses for repeat for change of grade is to be made in cases in which a student needs such course to effectively progress through the student's major or in extenuating circumstances. The student must obtain written approval from the Chair of the offering department at Mount Union and the University Registrar prior to enrollment at the institution. Such requests shall be submitted before the end of the semester and include the basis for the request.

Advanced Placement

Mount Union encourages the taking of advanced placement courses. In some cases, the University may award credit. In other cases, the University may waive certain prerequisites or University requirements. Factors considered in granting advanced placement include high school records, scores on University Board Examinations or similar tests, scores and school reports on University Board Advanced Placement program, CLEP examinations, and tests devised and administered by departments within the University.

Students who have completed regular accredited University courses while in high school may, by having a copy of their transcript sent from that University, be awarded credit, according to University policy. General conditions of transferring credit also apply here. These courses may not be included as part of the units required for high school graduation unless they are taken under the auspice of the Postsecondary Enrollment Option. Further information on the Advanced Placement Program may be obtained from the Office of Admission.

Entering students are required to take certain tests at the time of entrance to the University and are encouraged to take placement tests in applicable areas in order that they may begin course work at the proper level.

Postsecondary (College Credit Plus) Attendance

While attending as a postsecondary student, each high school student attending Mount Union will receive grades and have a grade point average just like any other student attending the University.

Lifetime Learner Enrollment

Any person 60 years of age or older may, subject to permission of the instructor and space availability, attend classes offered by Mount Union. Such attendance will be on a non-credit basis, and no certification of attendance will be available. A technology fee will be charged. Detailed information about this program is available in the Office of the University Registrar.

Summer Study

Since 1870 Mount Union has offered a summer term each year. A broad cross-section of courses is offered, taught by members of the University faculty. Two summer sessions are available. The summer school serves a two-fold purpose. It allows students an opportunity to accelerate their progress toward graduation. It also offers opportunities for persons with specific interests to attend the University for shorter periods of time.

During the summer terms, the classes are longer and meet more frequently than during a regular term. The evening classes typically meet two nights a week and day classes may be held every day. During a three-week session, students are permitted to enroll in only one class. Several classes may be selected during the longer sessions. Specific information concerning the summer school schedule and tuition may be obtained from the Office of the University Registrar.

English Proficiency

Students displaying substandard ability to communicate in writing may be referred by a faculty member to the Department of English and/or to the Digital, Written, and Oral Communication Studio. Failure to achieve a satisfactory level of written expression may, in an extreme case, be the cause for academic suspension or dismissal from the University.

Student Change of Address

When a student changes their permanent address, they must notify the Office of the University Registrar within 30 days of the official change of address. Changes of address will be verified by the University Registrar, with proper document, and the request must be made in writing by the student. Proper documentation for proof of address change should be a written correspondence with the student's name and address. Such documents should be no older than 30 days.

Determination of Student Location

The University of Mount Union confirms and maintains all student locations, or home/permanent address, at the time of acceptance, during their enrollment at the University, and whenever a student initiates a change of address. At the time of acceptance or initial enrollment, a student's location is determined by what the student provides on the application. Students apply to the University using digital applications through a common application or an application provided on the University's website. The location of a student is confirmed each registration period (October and March) of each year by the student acknowledgement at the time of registration. If a student's location changes, the student must follow the Change of Address policy outlined in this catalog. A prospective undergraduate student's location is determined by their permanent address listed in the admissions system. An undergraduate student's location is determined to be the state of Ohio at the time of initial enrollment.

UNIVERSITY of MOUNT UNION

Be Exceptional

The Integrative Core

UNIVERSITY OF MOUNT UNION

General Education
The Integrative Core

The mission of the University of Mount Union is to prepare students for fulfilling lives, meaningful work, and responsible citizenship. To accomplish this mission the University draws upon its roots in an historic understanding of the liberal arts. A liberal arts education provides students with a broad base of knowledge in addition to training in a specific field of study. At its heart, a liberal arts course of study does not teach a single point of view but equips and empowers students to form their own conclusions based on critical reasoning. This tradition of learning informs the Integrative Core.

The Integrative Core is a distinctive program designed to prepare students to meet the challenges of the 21st century world. It provides a framework for them to experience and shape a coherent and transformative education, grounded in the liberal arts. It is no longer true that graduates can expect to interact with the same demographic group and hold one job in the same discipline for their entire career. Integrative and synthetic thinking are more and more important for people to succeed personally and professionally in an increasingly interconnected world, in which cultures interact, technology changes rapidly, and the workplace is fluid. The Integrative Core guides students through developing the ability to think across and within different disciplines, contexts, and cultures.

The Integrative Core follows a student development model that introduces students to essential academic skills and knowledge in the initial years, guides them through increasingly complex thinking and problem-solving in the middle years, and requires them to apply their knowledge and skills to address complex issues in the final years. The Integrative Core has four components, each of which builds on the previous level and prepares students for the next.

The First Year Seminar (4 semester hours) is a topic-based course that will help students adjust socially and academically to college and to Mount Union. In this course, students will develop a sense of belonging to our diverse campus community, learn to navigate a new learning environment, build connections to peers, faculty, and staff, and gain confidence in essential core skills (critical thinking, written and spoken communication, problem-solving, and reflective learning).

Foundations (16 semester hours) courses engage students in the quest for knowledge as embodied by the particular perspectives comprising the liberal arts and sciences: Humanities, Fine Arts, Natural Sciences, and Social Sciences. The courses focus on three core ideas: What questions does this perspective ask about the world? How does it go about answering them? Why is this perspective important? They equip students with different lenses through which to understand, analyze, and appreciate the world around them. Students take at least one course in each Foundation category. Foundation courses are identified with the appropriate suffix: H for Humanities, A for Fine Arts, N for Natural Science, S for Social Science.

Explorations (8 semester hours) are a pair of courses at the intermediate to upper level (typically 200-300) that align with Mount Union's mission to prepare students for fulfilling lives, meaningful work, and responsible citizenship. Specifically, the courses engage students in self-reflection about how they evaluate and apply knowledge (looking inward) and their place in a diverse world (looking outward). These courses will also help students develop more sophisticated written and oral communication skills, employ advanced critical thinking, encourage complex problem solving, and acquire cultural knowledge that is essential for contributing to society. Students must complete one course in each category: (1) Diversity and Global Learning and (2) Values and Reasoning. Prerequisites: Completion of FYS 100, FYS 105, TRF 100, or HON 110. Junior standing recommended but not required. Students may "double-count" one or both Explorations course to meet a major or minor requirements. Explorations courses are identified with the appropriate suffix: G for Diversity and Global Learning, V for Values and Reasoning. The Explorations requirement may also be satisfied through a Study Abroad experience [during which at least 4 credit hours are earned], successful completion of the STA 200 Special Topic: Unpacking Study Abroad and one course from any of the approved Explorations completed at the University of Mount Union.

The Senior Capstone (4 semester hours) builds on the Explorations by moving the students from faculty-guided synthesis to student-led integration. Students from different disciplines will collaborate to address a complex issue or problem. This course prepares students for dealing with the types of ambiguous, multi-faceted problems that they will face throughout their lives and careers equipping them with resources to address such issues, especially the ability to work collaboratively across disciplines and to negotiate competing interests and worldviews. Capstone Prerequisites: Successful completion of the Second Year Raider Foundations Portfolio, and all other Integrative Core requirements.

Written and oral communication is integrated into all Integrative Core courses, and the successful completion of the Second Year Raider Foundations Portfolio is required.

Second Year Raider Foundations Portfolio

The Integrative Core is designed to help students develop skills in written and oral communication throughout their academic careers at Mount Union. Each part of the IC contains a written and oral communication component, with more sophisticated and challenging requirements as students' progress through the IC. In order to make sure that the development of

communication skills is on the right track, successful completion of the IC requires successful completion of a ***Second Year Raider Foundations Portfolio***. Students will upload samples of written work and videos of oral communication assignments to an electronic portfolio. A team of faculty members will evaluate the portfolios to ensure that each student has met the high standards needed for communication needs at the junior and senior years. A student must be able to perform at a level commensurate with end-of-second-year students. Students are expected to submit a Second Year Raider Foundations Portfolio (RFP) by the end of their 4th semester. Students seeking to submit their Second Year RFP before the end of their 4th semester are required to have prior authorization from the Integrative Core Office. Any RFP early submission that does not have prior IC Office authorization will not be evaluated. The portfolio must be completed successfully prior to enrollment in the IC Capstone.

Details of the Second Year Raider Foundations Portfolio (RFP)

Students will select materials from the many assignments completed in Integrative Core courses from the First Year Seminar through all four Foundations (H, A, N and S). Materials from other courses are not typically permitted. Required contents:

- Written Communication Portion: Two pieces of written communication (at least one that effectively integrates and cites sources) that reflect the elements listed in the RFP Rubrics.
- Oral Communication Portion: Two pieces of videotaped oral communication (at least one that effectively integrates and cites sources) that reflect the elements listed in the RFP Rubrics (multimedia use is optional).

In addition, students will submit three other documents to complete the portfolio:

- Students will write and submit a cover letter that explains the context in which the submitted pieces were produced. The cover letter should guide faculty scorers to see how the portfolio as a whole showcases the student's best efforts in written and oral communication to date.
- Students will sign and submit a Statement of Authenticity, testifying that all submitted pieces are of the student's own creation.
- Students will sign and submit an Informed Consent Form, which gives students the opportunity to give the University permission to use selected materials for assessment, research, and scholarly purposes pertaining to written and oral communication in the Integrative Core.

No more than two pieces in the portfolio may come from the same class or Foundation area. Students typically will be expected to submit work from at least three different types of classes. Students may revise work from their IC classes before submitting it to the Second Year Raider Foundations Portfolio. Stipulations for revising work are described on the Second Year Raider Foundations Portfolio website.

Students will select pieces on their own, write the cover letter, and submit the portfolio; this is not to be a requirement attached to any course. The Second Year Raider Foundations Portfolio is be due by 4 p.m. on the last day of finals each semester. No late portfolios will be accepted.

Transfer Students' Raider Foundations Portfolio (RFP) Requirements

Transfer students who have earned an associate degree from a regionally accredited institution have fulfilled the Raider Foundations Portfolio requirements. At the time of initial matriculation, transfer students who enter the University with 48 or more earned credit hours but not an associate degree are expected to complete the Second Year Raider Foundations Portfolio (or equivalent) within one semester at the University of Mount Union. Transfer Students who enter the University with 32-47 credit hours are expected to complete the Second Year Raider Foundations Portfolio (or equivalent) within two semesters; transfer students who enter the University with 17-31 earned credit hours are expected to complete the Second Year Raider Foundations Portfolio (or equivalent) within three semesters; and transfer students who enter the University with 1-16 earned credit hours are expected to complete the Second Year Raider Foundations Portfolio (or equivalent) within four semesters at the University of Mount Union. Transfer students seeking to submit their Second Year RFP before their expected completion date are required to have prior authorization from the Integrative Core Office. Any RFP early submission that does not have prior IC Office authorization will not be evaluated.

Evaluation of the Raider Foundations Portfolio (RFP)

Each portfolio will be read by two faculty members trained to assess students' written and oral communication work using the RFP Rubrics identified on the Second Year Raider Foundations Portfolio, available online on the RFP website. Students will be expected to show a minimum proficiency level of 2 on the rubrics in written communication and in oral communication. There are two possible results:

- ***Pass:*** The student scores satisfactory on the written and oral portion of the portfolio, showing an appropriate level of proficiency in communication at that point in their academic careers. These students will have completed their Second Year Raider Foundations Portfolio requirement and they will continue developing their RFP abilities in Explorations, major courses and electives, and then the Capstone. This will be shown as an "S" on the student's transcript under RFP 010 for the written communication portion and RFP 020 for the oral communication portion.

- ***Fail:*** The student scores an "NG" on either or both parts of the portfolio. Students in this category have not shown an appropriate level of proficiency in communication at this stage and the portfolio results will be a signal to the student that they need to devote more attention to developing further abilities in communication. This will be shown as an "NG" on the student's transcript under RFP 010 for the written communication portion and RFP 020 for the oral communication portion. Students who do not pass will have two options:

  Option 1: Revise and Resubmit:
  Talk with IC Office and submit a revised portfolio during the next semester for evaluation. This option would be good for the student who indicates ability and motivation enough to submit a better, more thoughtful portfolio. If the student's portfolio does not pass this time, then the student would have to complete Option 2 to complete the Second Year Raider Foundations Portfolio requirement.

  Option 2: Successfully Complete a Course or Courses in Revising:
  If the student did not successfully complete the written portion of the portfolio, the student would agree to take a 2-credit class the next semester on revising written work, RFP 200. If the student did not successfully complete the oral portion of the portfolio, the student would agree to take a 2-credit class on revising oral communication work, RFP 201. If the student failed both parts of the portfolio, the student would agree to take both 2-credit classes. A revised portfolio would be submitted as the final project in the course and it must pass in order to pass the class with an "S." If the portfolio did not pass, the student would receive a "U" for the class and would have to repeat the course until completed successfully; successful completion of the class is a prerequisite for enrolling in the IC Capstone.

  Failure to Submit the Raider Foundations Portfolio
  If the student did not submit their Raider Foundations Portfolio by the end of their 4th semester, the student may be required to complete option 2 as soon as the next academic semester based on the IC office scheduling.

Integrative Core General Course Information

Course Numbering System

The curriculum of the University of Mount Union is designed to cultivate the intellectual development of students so when they graduate, they meet the University's mission statement of leading fulfilling lives, finding meaningful work, and developing responsible citizenship. The University of Mount Union uses a course numbering system that differentiates between undergraduate, graduate, lower-division, and upper-division courses. Each course number begins with a three character, alpha prefix and ends with a three-digit numeric course level designation. The differential of undergraduate and graduate courses shall be as follows:

- Undergraduate courses include all 100 – 400 level prefixes.
- Lower-division courses include all 100-level and 200-level prefixes.
- Upper-division courses include all 300-level and 400-level prefixes.
- Graduate courses include all 500 – 700 level prefixes.

100-Level Courses. 100-Level courses do not require prerequisites, are first year entry-level courses in a discipline, or a survey of a given subject/discipline. It is expected students entering these courses will have limited or no prior knowledge of the subject. These courses will emphasize the acquisition of basic/introductory knowledge, comprehension, and/or basic skills.

200-Level Courses. 200-Level general expect 100-level course prerequisites, have a narrower focus of a body of knowledge, or a survey courses on areas of study within a discipline. It is expected students entering these courses are at an intermediate college level difficulty above an introductory level. These courses will emphasize knowledge gaining, comprehension, and skill development at an intermediate level; developing students to progress toward developing significant conclusions.

300-Level Courses. 300-Level courses generally expect 200-level course prerequisites, requiring integration of multiple fields, or courses focusing on specific areas within a discipline. It is expected students entering these courses understand the courses are at an advanced college level difficulty above an intermediate level. These courses will emphasize application, analysis, synthesis, and evaluation of data or knowledge. Students will develop the intellectual ability and capacity to deal with abstract concepts and describe research in cohesive statements.

400-Level Courses. 400-Level courses generally expect 300-level course prerequisites, culminating in nature, or seminar courses intended for upper level students. It is expected students entering these courses understand the courses are at an advanced college level difficulty and are culminating. These courses will emphasize extensive reading, analysis, and research. Students will develop advanced analytical and reasoning skills and be able to integrate concepts and ideas across course work with current literature in the field.

500-Level Courses. 500-Level courses are designed for first year graduate students. These courses are not available for undergraduate credit.

600-Level Courses. 600-Level courses generally require 500-level prerequisites and involve clinical course work, graduate seminars, or capstone culminating courses. These courses are not available for undergraduate credit.

700-Level Courses. 700-Level courses generally require 600-level prerequisites and involve graduate seminars or upper-level clinical course work. These courses are not available for undergraduate credit.

Foundation Course Descriptions

Descriptions of the courses in the departmental curricula are detailed in this catalog. Each course is identified by a three-letter discipline code and a three-digit number followed by the course title. Suffixes following the course number indicate that the course meets a Foundation requirement for the Integrative Core, and will emphasize the development of written and oral communication skills, and will introduce students to the basic approaches of each area as a means of understanding the world:

H	Humanities
A	Fine Arts
N	Natural Science
S	Social Science

The semester hours of credit given for satisfactory completion of the course follow the course description. Some courses are offered more frequently than others. The current Schedule of Classes should be consulted in order to determine when the courses are taught.

Explorations

See General Education: The Integrative Core for a full description of requirements for Explorations prerequisites or visit the University of Mount Union website for information regarding Explorations and courses included in each of the categories.

Explorations: Diversity and Global Learning We live in an increasingly diverse world. Exposure to diverse populations and cultures challenges us to address and overcome cultural barriers, better refine our perspective on cultural difference, and have a better sense of our own cultural identity (AAC&U). Courses in the Explorations: Diversity and Global Learning category will enable students to engage multiple perspectives of cultures and identities, reflect on their own cultural self-understanding, and develop empathy across human difference, making them better global citizens.

Explorations: Values and Reasoning Throughout our lives we develop a set of values, ethical perspectives, and approaches to reasoning. These values, perspectives, and approaches shape how we perceive what is true, what is real, and how we make judgments. Courses in the Explorations: Values and Reasoning category will help students understand how processes of reasoning and value systems are developed and applied to complex situations, as well as the implications of thinking and acting a certain way (e.g., ethics, morality, the integration of technology into our work and life, ecological ethics and sustainability, social responsibility).

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Majors & Minors by Department

UNIVERSITY OF MOUNT UNION

Department of Biochemistry, Chemistry, and Physics

Chemistry and Biochemistry

Chemistry and Biochemistry seek to contribute to the achievement of the general objectives of the University by providing students with a program that will prepare them for fulfilling lives, meaningful work and responsible citizenship. The major in Chemistry is built upon the principles and recommendations of the American Chemical Society (ACS) while that for Biochemistry is built upon the principles and recommendations of American Society of Biochemists and Molecular Biologists (ASBMB). Students are prepared for advanced study in graduate or professional school or for careers in chemistry and biochemistry in industry, or secondary education. Instruction in the department places emphasis on the use of modern scientific instruments, a wide range of electronic resources such as journals and computer programs, research work, and the ability of the student to do independent work. The Department is approved by the American Chemical Society and offers a Certified Degree (see details under Certified Degree below).

Requirements for the Major in Chemistry

Required Courses		Semester Hours
CHE 120N	Concepts in Chemistry	4
CHE 214	Inorganic Chemistry I	4
CHE 220	Analytical Chemistry I	4
CHE 231	Organic Chemistry I	4
CHE 232	Organic Chemistry II	4
CHE 341	Physical Chemistry with Laboratory	4
CHE 370	Biochemistry	3
CHE 371	Biochemistry Laboratory	1
CHE 381	Chemistry Seminar	1
CHE 382	Chemistry Seminar	1
CHE 481	Chemistry Seminar	1
CHE 482	Chemistry Seminar	1
CHE 490	Senior Research	4

Any from the Following Courses Totaling Four Semester Hours		
CHE 210	Environmental Chemistry	4
CHE 212	Introduction to Green Chemistry	4
CHE 228	Forensic Chemistry	4
CHE 255	Basic Neurochemistry	2
CHE 270	Foundational Biotechnology Skills	2
CHE 320	Analytical Chemistry II	4
CHE 374	Medicinal Chemistry	2
CHE 390	Research	1-4
CHE 414	Inorganic Chemistry II	4
CHE 431	Advanced Organic Chemistry	2
CHE 434	Advanced Spectral Analysis	2
CHE 442	Applied Thermodynamics and Kinetics	2
CHE 443	Computational Chemistry and Spectroscopy	2
CHE 455	Advanced Neurochemistry	2
CHE 472	Advanced Biochemistry: Molecular Mechanisms of Health and Disease	4
CHE 476	Advanced Biochemistry Laboratory	1

Required Extra-Departmental Courses		Semester Hours
MTH 141	Calculus I	4
PHY 101N	General Physics I	4
PHY 102	General Physics II	4

One of the Following Courses		Semester Hours
MTH 123	Elementary Statistics	3

DSC 140S	Data Science Fundamentals	4
MTH 142	Calculus II	4
Total		55

Senior research is a requirement of all chemistry and biochemistry majors. The requirement can be met by completion of CHE 490 or CHE 494 (Honors research designation) for a minimum of four hours or by certain off campus research experiences which have been pre-approved by the department.

A chemistry major may not major in biochemistry.

Requirements for the Minor in Chemistry

Required Courses		Semester Hours
CHE 120N	Concepts in Chemistry	4
12 additional semester hours of CHE coursework at the 200 level or above		12

One of the Following Courses		Semester Hours
MTH 123	Elementary Statistics	3
DSC 140S	Data Science Fundamentals	4
MTH 141	Calculus I	4
Total		19

Requirements for the Major in Biochemistry

Required Courses		Semester Hours
CHE 120N	Concepts in Chemistry	4
CHE 214	Inorganic Chemistry I	4
CHE 220	Analytical Chemistry I	4
CHE 231	Organic Chemistry I	4
CHE 232	Organic Chemistry II	4
CHE 270	Foundational Biotechnology Skills	2
CHE 370	Biochemistry	3
CHE 371	Biochemistry Laboratory	1
CHE 374	Medicinal Chemistry	2
CHE 381	Chemistry Seminar	1
CHE 382	Chemistry Seminar	1
CHE 472	Advanced Biochemistry: Molecular Mechanisms of Health and Disease	4
CHE 476	Advanced Biochemistry Laboratory	1
CHE 481	Chemistry Seminar	1
CHE 482	Chemistry Seminar	1
CHE 490	Senior Research	4

Required Extra-Departmental Courses		Semester Hours
BIO 140	The Unity of Life	4
MTH 141	Calculus I	4
PHY 101N	General Physics I	4
PHY 102	General Physics II	4

One of the Following Extra-Departmental Courses		Semester Hours
MTH 123	Elementary Statistics	3
DSC 140S	Data Science Fundamentals	4
MTH 142	Calculus II	4
Total		60

Senior research is a requirement of all chemistry and biochemistry majors. The requirement can be met by completion of CHE 490 or CHE 494 (Honors research designation) for a minimum of four hours or by certain off campus research experiences, which have been pre-approved by the department.

Biochemistry majors may not major nor minor in chemistry.

Certified Degree: American Chemical Society

The Department of Chemistry and Biochemistry at the University of Mount Union is approved by the American Chemical Society (ACS). The Chair of the Department certifies graduates who satisfy the requirements of a specific course of study. Students that have earned a certified degree are recognized as having completed a rigorous curriculum that has integrated chemical concepts with physics, mathematics, biology and appropriate professional skills. In addition, students completing the requirements for certification will have experienced a curriculum that emphasizes the laboratory experience. See any member of the Department for details of the Certified Degree curriculum.

Recommended Curriculum from the American Society of Biochemists and Molecular Biology

The American Society of Biochemistry and Molecular Biology (ASBMB) has developed a recommended curriculum for biochemistry majors. A student can complete the recommended ASBMB curriculum by completing a biochemistry major and taking CHE 341, BIO 240, BIO 300, BIO 305, and one additional course selected from the following: CHE 210, CHE 442, CHE 443, CHE 414, CHE 320, or MTH 241. Note that there is no certification with this curriculum.

Requirements for Honors in Chemistry and Biochemistry

Students desiring honors in chemistry or biochemistry must complete either 1) CHE 494 with the honors thesis option or 2) any three of the following taken for honors: CHE 232, CHE 320, CHE 414, CHE 442/443, CHE 472/476, CHE 374/476, CHE 476. Additional requirements may be found in the description of the Honors Program. Presentation of a paper reporting the honors research at a professional meeting is encouraged.

Physics

The philosophy of the physics major at Mount Union is to both develop a strong undergraduate knowledge of the fundamental principles of physics and to prepare the student with the professional skills essential for career success across disciplines. Students develop skills in scientific inquiry, problem solving, data analytics, laboratory techniques, and oral and written communication. Every major will conduct independent, hands-on research, along with both oral and written presentations on physics topics of their choice. The Bachelor of Science degree offers three tracks: fundamental physics, applied physics, and quantum computing.

Flexibility exists within the Physics major, as the curriculum is designed to conform to individual needs. Students with a mind to attend graduate school in physics or engineering can choose the Fundamental Physics Track, which will prepare them for continued study and advanced research at the graduate level. Students interested in pursuing a technical career in science, engineering, or industry research can choose the Applied Physics Track, which will prepare them with the hands-on, transferrable skills needed to find success across a variety of careers. This track is designed to be especially flexible for students with interdisciplinary interests who may want to pursue a double major with another technical or scientific field of interest. The Quantum Computing concentration provides students with practical skills in quantum programming, quantum algorithms, and quantum technologies. Graduates are well prepared for careers or advanced study in fields such as quantum computing, quantum information, and quantum cryptography. All B.S. students will earn a minor in mathematics through the completion of the required extra-departmental courses, provided the required GPA for the minor is attained.

In addition to courses in physics and astronomy, the major includes several courses in data science. Data science is a rapidly growing and multidisciplinary field that leverages modern computing power and the availability of massive data sets ("big data") to answer complex scientific/technical questions and inform decision-making. In the natural sciences, data science most often takes the form of (1) computer simulations of complex phenomena, (2) computer-driven analysis of large data sets (e.g. from astronomical observations), and (3) interfacing with laboratory equipment to facilitate data collection.

Requirements for the Major in Physics

Required Physics Courses		Semester Hours
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
PHY 211	Modern and Medical Physics	4
PHY 270	Seminar I	1
PHY 370	Seminar II	1
PHY 456	Research	4
or		
PHY 460-461	Senior Thesis I and II	4
Required Extra-Departmental Courses		
DSC 250	Scientific Modeling and Data Analysis	4
MTH 141	Calculus I	4
MTH 142	Calculus II	4

MTH 241	Calculus III	4
MTH 235	Topics in Linear Algebra	1
MTH 335	Differential Equations	3

Areas of Concentration

All Physics Majors must complete one of the following two areas of concentration:

Requirements for the Fundamental Physics Concentration

Twelve Credit Hours from the following Physics Theory Courses:

PHY 219	Thermodynamics	2
PHY 221	Statistical Mechanics	2
PHY 302	Analytical Mechanics	4
PHY 307	Electromagnetic Theory	4
PHY 409	Quantum Mechanics	4

Any One of The Following Physics Laboratory Courses:

PHY 222	Astronomical Imaging	4
PHY 230V	Electronics	4
DSC 330	Data Acquisition and Analysis	4

Any Two of The Following Advanced Physics Courses:

PHY 313	Nuclear Physics	2
PHY 314	Atomic and Molecular Spectroscopy	2
PHY 322	Astrophysics	4
PHY 421	Condensed Matter Physics	2
PHY 446	Methods of Mathematical Physics	2

4 additional credit hours of coursework in BIO/BME/CHE/EGE/CPE/CSC/DSC/ EEE/GEO/MTH/EME**(at 120 level or higher)*	4
Total	66

Requirements for the Applied Physics Concentration

Required Physics Laboratory Course		Semester Hours
PHY 230V	Electronics	4

Eight Credit Hours from Any Two of The Following Physics Theory Courses:

PHY 219	Thermodynamics	2
PHY 221	Statistical Mechanics	2
PHY 302	Analytical Mechanics	4
PHY 307	Electromagnetic Theory	4
PHY 409	Quantum Mechanics	4

One of The Following Physics Laboratory Courses:

PHY 222	Astronomical Imaging	4
DSC 330	Data Acquisition and Analysis	4

Four Credit Hours from the Following Advanced Physics Courses:

PHY 313	Nuclear Physics	2
PHY 314	Atomic and Molecular Spectroscopy	2
PHY 322	Astrophysics	4
PHY 421	Condensed Matter Physics	2
BIO/BME/CHE/EGE/CPE/CSC/DSC/EEE/GEO/MTH/EME* (at 120 level or higher)		4

Total	58

Requirements for the Quantum Computing Concentration

Required Courses

CSC 120	Programming and Problem Solving I	4
CSC 270	Computer Organization	4
PHY 150	A (qu)bit of Quantum Information	2
PHY 244	Programming Quantum Algorithms	4
PHY 409	Quantum Mechanics	4

Eight Credit Hours from the Following:

CEE 427	Embedded Systems and Microprocessors	4
CSC 221	Intermediate Programming in Python	2
CSC 320	Algorithms and Data Structures	4
DSC 330	Data Acquisition and Analysis	4
DSC 340	Machine Learning and Neural Network Processing	4
PHY 230V	Electronics	4
PHY 421	Condensed Matter Physics	2

Total 64

Requirements for the Minor in Physics

Any Two of the Following Introductory Courses:		Semester Hours
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
PHY 120N	Astronomy	4

8 additional credit Hours of PHY* coursework 8

**(DSC 250, DSC 330, or PHY200V or higher.)*

Total 16

Department of Biological and Environmental Sciences

The Department of Biological and Environmental Sciences offers programs which are designed to educate broadly trained scientists who can creatively solve scientific problems involving life and the environment. Majors of study include Biology, Environmental Science, and Medical Laboratory Science. Minors of study include Biology, Environmental Science, and Sustainability.

Biology

With two concentrations offered, the Bachelor of Science in Biology prepares students for careers as research scientists, pharmaceutical/biomedical sales representatives, physician's assistants, and occupational therapists. The Applied Bioscience concentration provides students with training to address global issues pertinent to biology. The customizable academic plan is useful for students looking to enter the job-market, attend graduate school, or teach. Graduates can pursue masters' and doctoral programs, natural resources management, employment by federal and state agencies, private and public organizations, and consulting firms. The Biomedical concentration prepares students for advanced studies in medical and health-related fields. While there is flexibility in the curriculum, students are encouraged to refer to the specific requirements of their intended program of study following graduation.

Requirements for the Major in Biology

Required Biology Courses		Semester Hours
BIO 140	Unity of Life	4
BIO 141N	Diversity of Life	4
BIO 240	Genetics	4

Required Extra-Departmental Courses		
CHE 120N	Concepts in Chemistry	4
MTH 123	Elementary Statistics	3
or		
MTH 141*	Calculus I	4

All Biology majors must complete a Senior Culminating Experience (SCE). An SCE may be satisfied through completion of 4 semester hours of any combination of the following courses:

BIO 405	Research	1-4
BIO 410	Senior Seminar I	2
BIO 411	Senior Seminar II	2
BIO 494	Honors Thesis/Project	1-4
BIO 499	Internship in Biology	1-4

Areas of Concentration

All Biology Majors must complete one of the two areas of concentration:

Applied Bioscience Concentration

Required Courses		
BIO 215G	Evolutionary Biology	4
BIO 220	Ecology	4
Any two 200-level chemistry courses with labs		8
or		
PHY 101N	General Physics I	4
and		
PHY 102	General Physics II	4

Any from the following courses totaling 12 semester hours (at least 8 hours must be at the 300 level or higher)

BIO 211	Anatomy and Physiology II	4
BIO 230G	Conservation Biology	4
BIO 260	Plant Structure and Function	4
BIO 270	Cell Biology	4

BIO 280	Biology of Marine Organisms	4
BIO 295	Developmental Biology	4
BIO 300	Molecular Biology	4
BIO 305	Microbiology	4
BIO 303	Parasitology	4
BIO 321	Aquatic Ecology	4
BIO 322	Ecotoxicology	2
BIO 350	Vertebrate Structure and Function	4
DSC 250	Scientific Modeling and Data Analysis	4
ENV 190N	Introduction to Environmental Science	4
ENV 280	Geographic Information Systems	4
PSY 250	Neuroscience: The Brain	4
Total		51

Students minoring in Chemistry may not count more than two CHE courses toward the minor.

Biomedical Concentration

Required Courses

BIO 210	Anatomy and Physiology I	4
BIO 211	Anatomy and Physiology II	4
CHE 231	Organic Chemistry	4
PHL 280H	Bio-Medical Ethics	4

Any from the following courses totaling 12 semester hours (at least 8 hours must be at the 300 level or higher)

BIO 270	Cell Biology	4
BIO 295	Developmental Biology	4
BIO 300	Molecular Biology	4
BIO 305	Microbiology	4
BIO 303	Parasitology	4
BIO 340	Immunology	4
BIO 350	Vertebrate Structure and Function	4
CHE 232	Organic Chemistry II	4
CHE 370	Biochemistry	3

Additional recommended courses

PHY 101N	General Physics I	4
PHY 102	General Physics II	4
PSY 110S	Introduction to Psychology	4
SOC 100S	Introduction to Sociology	4
MED 100	Intro to Health Professions	1
MED 200	Community Healthcare	1
MED 400	The Health Coach Internship	2
EXS 280	Medical Terminology	2

Additional electives for either concentration

BIO 199	Special Topics in Biology	1-4
BIO 299	Special Topics in Biology	1-4
BIO 360	Independent Study	1-4
BIO 399	Special Topics in Biology	1-4
Total		56

Students minoring in Chemistry may not count more than two of the above CHE courses toward the minor.

Requirements for a Minor in Biology

Required Biology Courses

BIO 140	The Unity of Life	4
BIO 141N	The Diversity of Life	4
10 additional semester hours of BIO coursework at the 200-level or above		10
Total		18

Biology and Master of Science in Occupational Therapy (3+2)

The University of Mount Union offers an accelerated 3+2 program that combines a bachelor's degree in Biology (biomedical concentration) with a Master of Science in Occupational Therapy (MSOT). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In the first three years, students fulfill the requirements for the Biology degree, with the exception of the 120-credit hour requirement. The fourth year marks the beginning of the MSOT program, during which students complete coursework that counts toward both their undergraduate and graduate degrees. This structure allows students to earn both degrees in five years instead of the traditional six-year period, providing a unique opportunity for driven individuals to expedite their academic and professional development in the field of occupational therapy.

Admission Requirements/Criteria

Interested candidates must apply using the UMU MSOT Early Assurance Application which may be located through mountunion.edu. Applications must be complete and submitted by the established deadline. For consideration, applicants must meet the following criteria:

- Complete at least 1 semester of full-time academic study at UMU in a degree granting program of study (Biology, biomedical concentration) declared major)
- Possess a minimum GPA of 3.5 or higher

Interviews will be conducted by invitation-only following application review. An interview is required prior to an offer of 3+2 Early Assurance. Once accepted to the 3+2 program, students must fulfill established requirements to retain their seat in the MSOT program. These requirements include:

- maintain a 3.0 overall GPA; and 3.0 prerequisite GPA
- complete all prerequisite coursework with a C or better
- complete all Biology degree requirements prior to beginning MSOT coursework
- Submit formal application to MSOT program (summer prior to third year)
- Submit 2 letters of recommendation (fall semester 1-year prior to program matriculation)
- Complete formal interview
- Pay a non-refundable deposit of $500.00 to hold a seat in the class
-

Requirements for the 3+2 Biology/MSOT

Required Courses	Semester Hours
BIO 140 The Unity of Life	4
BIO 141N The Diversity of Life	4
BIO 240 Genetics	4
CHE 120N Concepts of Chemistry	4
MTH 123 Elementary Statistics	4
BIO 210 Anatomy & Physiology I*	4
BIO 211 Anatomy & Physiology II*	4
BIO 305 Microbiology	4
CHE 231 Organic Chemistry I	4
PHL 280H Bio-Medical Ethics Integrative Core – H Foundation	4
BIO or CHE 2XX or 3XX (courses in biomedical concentration list; at least one at 3XX level)	8

All Biology majors must complete a Senior Culminating Experience (SCE). An SCE may be satisfied through completion of 4 semester hours of any combination of the following courses:

BIO 405 Research	1-4
BIO 410 Senior Seminar I	2
BIO 411 Senior Seminar II	2
BIO 494 Honors Thesis/Project	1-4
BIO 499 Internship in Biology	1-4

Other coursework including Integrative Core and OT prerequisites:

First Year Seminar	4
Integrative Core – A Foundation	4
PSY 110S Integrative Core – S Foundation	4
Integrative Core – Exploration	8
CAP 400 Integrative Core – Capstone	4

EXS 220 Foundations of Human Movement*	4
EXS 280 Medical Terminology*	2
PSY 225 Lifespan Development*	4
PSY 240 Abnormal Psychology*	4
SOC 100S Intro to Sociology*	4
World Language requirement (if needed)	0-8
Total	97-106

* prerequisite coursework for the MSOT program

Students will meet the credit hour requirement for the bachelor's degree with earned credits from the first year of the MSOT program. If a student is accepted into the 3+2 program and chooses not to continue, withdraws, or is removed from the MSOT program for any reason, the student will be required to finish the outstanding credit hour and graduation requirements to be awarded the Bachelor of Science in Biology Degree from the University of Mount Union. Credit hour and graduation requirements can be found in the UMU Undergraduate Catalog.

Pre-Medical and Pre-Health Professions Program

The pre-medical and pre-health professions program is designed to prepare students for future careers as doctors, dentists, pharmacists, optometrists, physical therapists, physician assistants, veterinarians, podiatrists and chiropractors. The program is not a formal degree program but is a flexible curriculum designed to prepare students for professional schools in the health-related fields. Students will take the appropriate required courses in biology, chemistry, physics, mathematics and social sciences and recommended electives in the arts and humanities to become highly-successful professional school candidates.

Environmental Science

The environmental science major at Mount Union is an interdisciplinary major that seeks to develop environmentally informed professionals and citizens who can contribute to responsible environmental management and who possess leadership, teamwork and problem-solving skills.

Requirements for the Major in Environmental Science

Required Environmental Science Courses		Semester Hours
BIO 141N	Diversity of Life	4
BIO 220	Ecology	4
CHE 120N	Concepts in Chemistry	4
CHE 210	Environmental Chemistry	4
ENV 190N	Intro to Environmental Science	4
ENV 210V	Hydrology and Water Resources	4
ENV 280	Geographic Information Systems	4
ENV 301	Field Studies in Ecology & Geology I	2
ENV 302	Field Studies in Ecology & Geology II	2
ENV 320	Landforms and Soils	4
ENV 350	Case Studies in Environmental Science	4
ENV 425	Senior Culminating Experience (2 credits, 2 semesters)	4
GEO 112N	Physical Geology	4
MTH 123	Elementary Statistics	3
or		
MTH 141	Calculus I	4

Elective Courses from Environmental Science Group (choose a minimum of 8 credit hours from below)

BIO 230G	Conservation Biology	4
BIO 280	Marine Organisms	4
BIO 303	Parasitology	4
BIO 321	Aquatic Ecology	4
BIO 322	Ecotoxicology	2
BIO 350	Vertebrate Structure and Function	4
CHE 212	Green Chemistry	4
CHE 220	Analytical Chemistry	4

ECE 330	Environmental Engineering	4
ENV 266	Environmental Entomology	4
ENV 300	Internship in Env. Science (1-4 Credits)	1-4
GEO 212	Evolution of the Earth	4
GEO 345	Solid Earth Processes	4

Elective Courses from Sustainability & Ethics Group (choose a minimum of 6 credit hours from below)

ENV 277	Energy and Climate	4
PHL 290V	Environmental Ethics	4
SUS 100	Introduction to Sustainability	2
Total		65

Students minoring in Biology or Chemistry may not count more than one Biology or Chemistry course in the elective for Environmental Science for both their minor and the Environmental Science major.

Requirements for the Minor in Environmental Science

ENV 190N	Introduction to Environmental Science	4
ENV 210	Hydrology and Water Resources	4
ENV 350	Case Studies in Environmental Science	4
BIO 141N	Diversity of Life	4
or		
CHE 120N	Concepts in Chemistry	4
or		
GEO 112N	Physical Geology	4
ENV/BIO/CHE/GEO (200-level or above)		4
Total		20

Sustainability

The minor in sustainability is designed to provide students with an understanding of and ability to utilize sustainability as a lens for systems thinking in any discipline. Sustainability is a balance of dependent systems to provide for the continued function and equilibrium of the planet's natural systems with those of society. Sustainability focuses on our economic, environmental, and social systems to 'sustain' the planet for future generations. Sustainability perspectives and practices are emerging as essential tools to have in today's ever-changing world. This minor will serve as a compliment to any major and provide skills that can be directly applied to students' professional and personal practices in the future. Mount Union undergraduate students in this minor will learn the ethical, practical, and innovative approaches used to balance the need for human consumption and development with environmental, economic, and social equity.

Requirements for the Minor in Sustainability

Required Sustainability Courses		Semester Hours
SUS 100	Introduction to Sustainability	2
SUS 400	Sustainability Seminar	4

Choose at least 4 credit hours from the following environment related courses:

BIO 100N	Foundations of Biological Science	4
BIO 220	Ecology	4
BIO 230G	Conservation Biology	4
BIO 321	Aquatic Ecology	4
BIO 322	Ecotoxicology	2
CHE 210	Environmental Chemistry	4
CHE 212	Introduction to Green Chemistry	4
ECE 330	Environmental Engineering	4
EME 445	Energy Generation and Utilization: Sustainable Practices	2
ENV 190N	Introduction to Environmental Science	4
ENV 210V	Hydrology and Water Resources	4
or		
GEO 210V	Hydrology and Water Resources	4
ENV 350	Case Studies in Environmental Science	4

Choose at least 8 credit hours from the following Socio-Economics courses (No more than 4 credit hours can come from courses with the same prefix):

ECN 105S	Introduction to Economics	4
ECN 200S	Introduction to Microeconomics	4
EDU 315G	Multicultural Education	4
EGE 320G	Global Engineering	4
ENG 335V	Literature and Human Rights	4
IDS 300V	Building Community, Building Peace	4
IDS 350	Social Responsibility	4
PHL 290V	Environmental Ethics	4
PHL 291	The Wilderness	2
PSJ 150H	Introduction to Peacebuilding and Social Justice	4
REL 340V	Christian Social Ethics	4
SOC 200	Contemporary Social Issues	4
SOC 220	The Many Faces of Poverty	4
Total		18

Note: Many of the courses in the lists of electives above have prerequisites. Students must satisfy all prerequisites before taking these courses. Students can only count up to 4 semester hours from their major toward the sustainability minor.

Biology or Biochemistry and Pharmacy 3+4 Program with Northeast Ohio Medical University College of Pharmacy

In order to allow exceptional life science students the opportunity to accelerate their progress toward earning their terminal degrees, the University of Mount Union has established a 3+4 BS to Doctor of Pharmacy partnership with Northeast Ohio Medical University (NEOMED). This program allows students to complete all requirements for both an undergraduate degree in either Biology or Biochemistry and a Doctor of Pharmacy in seven years of full-time study. Students complete their first three years of full-time study at the University of Mount Union, immediately followed by four years of study at NEOMED. Students must complete all Integrative Core coursework prior to matriculation. After successful completion of their the 4th year of study, in residence at NEOMED, the student will earn their Bachelor's of Science from the University of Mount Union upon transfer of NEOMED credit back to Mount Union.

Admissions Requirements

Students wishing to participate in the 3+4 pathway must apply for Early Assurance via the Pharmacy College Application Service (PharmCAS) by October 15th the year prior to fall matriculation to NEOMED, and meet requirements specified by PharmCAS and NEOMED. Applicants must successfully complete all pre-professional prerequisite coursework (below) with a C-minus or higher, and have both a cumulative and science GPA of 3.0.

Requirements of the BS/DPharm program completed at Mount Union

Option 1. Biology major pathway (Biomedical concentration with a Chemistry minor)

Required UMU Courses		Semester Hours
BIO 140	The Unity of Life	4
BIO 141N	The Diversity of Life	4
BIO 210	Anatomy & Physiology I	4
BIO 211	Anatomy & Physiology II	4
BIO 240	Genetics	4
BIO 215G	Evolutionary Biology	4
BIO 295	Developmental Biology	4
BIO 305	Microbiology	4
BIO 405	Research	4
CHE 120N	Concepts in Chemistry	4
CHE 231	Organic Chemistry I	4
CHE 232	Organic Chemistry II	4
CHE 370 & 371	Biochemistry with lab	4
CHE 472	Advanced Biochemistry: Molecular Mechanisms of Health and Disease	4
MTH 123	Elementary Statistics	3
MTH 141	Calculus I	4

PHL 280H	Bio-Medical Ethics	4
Total		68

Option 2: Biochemistry major pathway (with a Biology minor)

Required Courses		Semester Hours
CHE 120N	Concepts in Chemistry	4
CHE 214	Inorganic Chemistry I	4
CHE 220	Analytical Chemistry I	4
CHE 231	Organic Chemistry I	4
CHE 232	Organic Chemistry II	4
CHE 370 & 371	Biochemistry with Lab	4
CHE 472	Advanced Biochemistry: Molecular Mechanisms of Health and Disease	4
CHE 476	Advanced Biochemistry Laboratory	2
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
BIO 140	The Unity of Life	4
BIO 210	Anatomy & Physiology I	4
BIO 305	Microbiology	4
BIO 215G	Evolutionary Biology	4
MTH 141	Calculus I	4
MTH 142	Calculus 2	4
MTH 123	Elementary Statistics	3
Total		66

Students completing Option 1 (Biology major) complete their minor in Chemistry prior to matriculation to NEOMED. Students completing Option 2 (Biochemistry major) will automatically receive a minor in biology upon completion of their first year in the Pharm D program at NEOMED.

NEOMED Coursework for Degree Completion

In the first year of study at NEOMED, students will take the courses listed below, which will be treated as transient courses toward the Mount Union degree. These 30 credits will count toward both the student's undergraduate degree as well as their doctorate degree.

Required NEOMED Courses		Semester Hours
PEBM 71202	Evidence Based Medicine	2
ANAP 71203	Human Anatomy Physiology and Pathophysiology I	5
PHDD 71205	Introduction to Pharmaceutical Sciences	5.5
PHDD 71206	Pharmacy Skills I	2
PHCS 71302	Health Care Delivery System	3
ANAP 71303	Human Anatomy Physiology and Pathophysiology II	4
PHDD 71305	Pharmacodynamics/Pharmacokinetics	4
PHPE 71306	Pharmacy Skills II	1.5
IMMU 72202	Immunology and Biotechnology	3
Total		30

The University of Mount Union will accept as transfer credits applicable to the Bachelor's degree up to 40 semester hours of credit of course work taken at NEOMED in which the student received a "C" or better. A student's undergraduate GPA for degree-granting purposes at the University of Mount Union will bet the GPA at the end of the undergraduate phase of the undergraduate's program; grades from NEOMED are not transferrable to the University of Mount Union.

A student who elects to withdraw from the NEOMED Pharm D program or who fails to successfully complete the first year of their graduate program may return, without reapplication, to Mount Union, for completion of their undergraduate degree.

School of Business

Majors in Accounting, Finance, Management, Marketing, Public Relations, and Sport Business are administered by the School of Business. Minors in Accounting, Business Administration, and Economics are also administered by the School of Business.

Accounting

The accounting major is administered by the School of Business.

Requirements for the Major in Accounting

Required Business Core Courses		Semester Hours
ACC 205	Financial Accounting	4
ACC 207	Managerial Accounting I	2
BUS 100	Introduction to Business	2
BUS 122	Quantitative Methods for Business	4
or		
MTH 141	Calculus I	4
BUS 125	Business Communication	4
BUS 313	Planning for Meaningful Work	2
BUS 330	Legal and Ethical Environment of Business	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics	2
FIN 320	Corporate Finance I	4
MGT 200	Management Principles	4
MKT 220	Marketing Principles	4
MTH 123	Elementary Statistics	3
PRN 150	Strategical Public Relations I	2

Required Major-Specific Courses		Semester Hours
ACC 208	Managerial Accounting II	2
ACC 305	Federal Taxation I	4
ACC 310	Intermediate Accounting I	4
ACC 311	Intermediate Accounting II	4
ACC 330	Auditing	4
ACC 450	Federal Taxation II	2
ACC 455	Accounting Issues and Problems (SCE)	4

Two additional accounting courses from the following:

ACC 345	Advanced Cost Accounting	4
ACC 445	Advanced Accounting	4
ACC 454	Seminar in Accounting	4
ACC 499	Internship in Accounting	4 min

Total 77-79

**A Senior Culminating Experience is required of all students. Students who major in accounting must complete ACC 455 Accounting Issues and Problems as their Senior Culminating Experience.

Preparation for Certification in Public Accounting

Our bachelor's degree in accounting is not designed to prepare students to obtain licensure as a Certified Public Accountants. Students must take additional business-related courses in order to obtain the required 150 semester hours of coursework. Students interested in taking the CPA exam may want to consider taking additional

Courses in the following areas:

- Auditing
- Financial accounting
- Information systems
- Management accounting
- Professional ethics and responsibilities

- Taxation
- Business related subject areas should include:
- Business ethics
- Business organization
- Communication skills
- Economics
- Group and individual behavior
- Finance
- Legal and social environment of business
- Marketing
- Quantitative applications

Students should see their accounting advisors to select courses meeting the above criteria. The following option can assist students in meeting the current 150-semester hour requirement.

Additional Undergraduate Hours

The student may take up to 20 semester hours without overload charges during any or all of the traditional eight semesters. Additional hours may also be earned during summer sessions.

Requirements for the Minor in Accounting

Required Accounting Courses		Semester Hours
ACC 205	Financial Accounting	4
ACC 207	Managerial Accounting I	2
ACC 208	Managerial Accounting II	2
ACC 305	Federal Taxation I	4
ACC 310	Intermediate Accounting I	4
And any one of the following		
ACC 311	Intermediate Accounting II	4
ACC 330	Auditing	4
ACC 345	Advanced Cost Accounting	4
ACC 454	Seminar in Accounting	4
Total		20

Requirements for Honors in Accounting

Courses that may be taken for honors in accounting are the following: ACC 311, ACC 330, ACC 345, ACC 445, ACC 450, ACC 454, and ACC 494.

Business Administration

Requirements for the Minor in Business Administration

Required courses		Semester Hours
BUS 100	Introduction to Business	2
or (for Non-Business Majors)		
SPB-100	Introduction to Sport Business	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics	2
ACC 205	Financial Accounting	4
MGT 200	Management Principles	4
MKT 220	Marketing Principles	4
Total		20-22

A minor in Business Administration will not meet the university requirement for a minor for students majoring in Accounting, Finance, Management, or Marketing.

Economics

The field of economics is a fascinating look at what makes the world work from day to day. This includes the study of trading, growth, money, income, recessions and depressions, prices, and monopoly. Economics is important in the world because it can answer questions such as What causes inflation? and Why are people unemployed? Economics includes the study of labor, land, and investments, of money, income, and production, and of taxes and government expenditures and is one of the fastest growing majors in the country. A solid background in fundamental, undergraduate economics can help the well-informed citizen understand the world's economic challenges—especially recent developments in the U.S. and Europe.

The economics minor helps prepare you for jobs in business, government, education, and the non-profit sector. Studying economics, you will be able to develop the analytical skills needed to work successfully in the field. Coursework at Mount Union includes the study of microeconomics and macroeconomics, international and domestic economic issues, buyer and seller behavior, strategic decision-making, and economic performance.

Students interested in an eventual Masters or Doctorate in economics or in graduate and professional education in business, law, or public policy will find an undergraduate minor in economics to be an excellent preparation. We encourage you to take as many mathematics courses as possible if you plan to do graduate work in economics.

Requirements for the Minor in Economics

Any two (6 credit hours) of the following		Semester Hours
ECN 105S	Introduction to Economics	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics I	2
Three additional ECN courses at the 300 level or above		12
Total		18

Entrepreneurship

The Entrepreneurship minor is designed to prepare students with the skills and knowledge to start their own business, assist in the start-up of a new business, or bring an entrepreneurial mindset to an already established business. The minor will provide the students with the opportunity to study and analyze ideas and bring the ones that appear to possess the greatest chance of success to the next step in the business development process. Additionally, the students who complete the minor will have had the opportunity to learn from current and past entrepreneurs. The students will have a basic understanding of the financial needs of a startup business and how to pursue various funding opportunities. Also, they will have been introduced to the skills required in selling their idea to their target audience.

When a student finishes the Entrepreneurship minor, the University's goal is that the student will be more comfortable with ambiguity and risk taking. They will understand how to push their idea through to reality, how to create an innovative environment/culture, how to deal effectively with failure and rejection, and how to analyze various issues and draw conclusions.

Requirements for the Minor in Entrepreneurship

Required Courses		Semester Hours
ENT 150	Introduction to Entrepreneurship	4
ENT 300	New Venture Planning	2
ENT 350	The Entrepreneurship Experience	4
And Any Two Courses from the Following:		
ACC 205	Financial Accounting	4
ART 120	Visual Organization	3
BUS 100	Introduction to Business	2
BUS 255	Business Law II	4
COM 227	Public Advocacy and Argumentation	4
COM 325	Leadership and Team Communication	4
CSC 120	Programming and Problem Solving I	4
EGE 110	Introduction to the Engineering Profession	2
EGE 310	Product Design and Development	4
ENT 499	Internship in Entrepreneurship	2-4
ENV 190	Introduction to Environmental Science	4
EXS 320	Exercise Testing and Prescription	4
EXS 340	Corporate and Worksite Wellness	4
MKT 220	Marketing Principles	4
MGT 356	Human Resource Management	4
MKT 396	Selling and Sales Management	2
MGT 200	Management Principles	4

MUS 314	Music Technology for the Performing Musician	4
PRN 113	Event Planning	2
PRN 150	Strategical Public Relations I	2
PRN 271	Media Copywriting	4
PSJ 150H	Introduction to Peacebuilding and Social Justice	4
PSY 235	Social Psychology	4
SOC 220	The Many Faces of Poverty	4
SOC 325	Organizational Analysis	4
SPB 380	Sport Entrepreneurship	4
THE 150	Believing in Imaginary: Beginning Acting for the Theatre	4
WRT 110H	Introduction to Professional Writing	4
Total		15-18

Students with majors in the School of Business may count up to 4 semester hours from their major toward the ENT minor.

Finance

The finance major prepares students for careers in finance, including investments, financial institutions, financial planning, and corporate finance. Distinctive features of the major include:

- Courses that familiarize students with financial practice and theory used within modern corporations and financial institutions
- Internship opportunities for academic credit
- Personalized guidance from faculty members with significant background in many areas of finance

Requirements for the Major in Finance

Required Business Core Courses		Semester Hours
ACC 205	Financial Accounting	4
ACC 207	Managerial Accounting I	2
BUS 100	Introduction to Business	2
BUS 122	Quantitative Methods for Business	4
or		
MTH 141	Calculus I	4
BUS 125	Business Communication	4
BUS 313	Planning for Meaningful Work	2
BUS 330	Legal and Ethical Environment of Business	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics	2
FIN 320	Corporate Finance I	4
MGT 200	Management Principles	4
MKT 220	Marketing Principles	4
MTH 123	Elementary Statistics	3
PRN 150	Strategical Public Relations I	2

Required Major-Specific Courses		
ECN 315	Money and Banking	4
FIN 321	Corporate Finance II	4
FIN 325	Risk Management and Insurance	4
FIN 455	Investment Principles	4
FIN 456	Comprehensive Securities Analysis (SCE)	2

And at least one of the following:		
FIN 330	Financial Modeling	2
FIN 340	Emerging Markets Finance and Investments	4
FIN 499	Internship in Finance	2 min
DSC 210	Data Visualization with Power BI	2
Total		65-67

Requirement for Honors in Finance

For the major in Finance, the following courses may be taken for honors in the major: FIN 321, FIN 460, FIN 325, or ECN 315.

Leadership Studies

The Leadership Studies Minor seeks to prepare students to assume roles or assigned responsibilities where they will inspire, motivate, and influence people and organizations to accomplish organizational goals and objectives. The students will also learn to motivate people, focus thinking, and shape decisions for the greater good of an organization.

Requirements for the Minor in Leadership Studies

Required Courses		Semester Hours
LDR 175	Introduction to Leadership for Life	2
LDR 275	Leadership Dynamics: Influence & Impact	4
LDR 350	Implementing Leadership Skills and Competencies	4
At least 6 Additional Hours from the Following		
ART 120	Visual Organization	3
COA 310	Psychology of Coaching	4
COA 320-331	Coaching Theory Courses	2
COA 430	Coaching Practicum	1- 2
COM 225S	Small Group and Organizational Communication	4
COM 227H	Persuasion and Argumentation	4
COM 386G	Public Advocacy for Social Justice	4
BUS 335V	Business Ethics	4
MGT 200	Management Principles	4
EDU 315G	Multicultural Education	4
EXS 260V	Scholarship in Exercise Science	4
CHN 235	The Peoples and Cultures of Contemporary China	4
FRN 235H	The Peoples and Cultures of Contemporary France	4
GRN 235H	The Peoples and Cultures of Contemporary Germany	4
JPN 235H	The Peoples and Cultures of Contemporary Japan	4
HST 207V	American History, 1880-1945	4
HST 208V	United States Since 1945	4
HST 348	Problems of Developing Nations	4
NUR 430	Leadership & Management	4
PHL 290V	Environmental Ethics	4
POL 100S	All Politics is Local	4
POL 202	Congressional Politics: Issues and Controversies	4
POL 203	American President: Power and Leadership in the 21st Century	4
POL 270V	US Foreign Policy: Past, Present and Future	4
POL 315V	Public Policy	4
PSY 225	Lifespan Development	4
PSY 235	Social Psychology	4
IDS 350	Social Responsibility	4
PSY 380G	Psychology of Gender	4
PSY 385G	Psychology of Prejudice & Power	4
PSJ 150H	Introduction to Peacebuilding and Social Justice	4
REL 240H	Interreligious Understanding	4
SOC 100S	Introduction to Sociology	4
SOC 220	The Many Faces of Poverty	4
SOC 330G	Minority Group Relations	4
SOC 350	Grants and Planning	4
Total		15-18

Management

The management major is designed to prepare students for a career in business in a variety of firms and career paths. It is the most broad and general of the majors in business administration offered. All students majoring in management will complete courses in operations and supply chain management, human resource management, cross-cultural management and strategy. Students then select additional courses from a range of electives within the major to emphasize certain areas in such areas as leadership, labor, logistics, sustainability or project management. Graduates with this major are suited to positions in purchasing, supply operations management, logistics, sales, and retail management, and many more.

Requirements for the Major in Management

Required Business Core Courses		Semester Hours
ACC 205	Financial Accounting	4
ACC 207	Managerial Accounting I	2
BUS 100	Introduction to Business	2
BUS 122	Quantitative Methods for Business	4
or		
MTH 141	Calculus I	4
BUS 125	Business Communication	4
BUS 313	Planning for Meaningful Work	2
BUS 330	Legal and Ethical Environment of Business	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics	2
FIN 320	Corporate Finance I	4
MGT 200	Management Principles	4
MKT 220	Marketing Principles	4
MTH 123	Elementary Statistics	3
PRN 150	Strategical Public Relations I	2
Required Major-Specific Courses		
MGT 341	Operations and Supply Chain Management	4
MGT 356	Human Resources Management	4
MGT 410	Management Across Cultures	4
MGT 425	Strategic Planning, Policy, and Control	4
A minimum of 6 hours from among the following courses:		
ENT 150	Introduction to Entrepreneurship	4
LDR 175	Introduction to Leadership for Life	2
LDR 275	Leadership Dynamics: Influence & Impact	4
MGT 299/399	Special Topics in Management	2
MGT 380	Employment Law	2
MGT 390	Systems and Sustainability in Business	2
MKT 396	Selling and Sales Management	2
MGT 481	Seminar in Family and Small Business	2
MGT 490	Staffing and Compensation	2
MGT 495	Project Management	2
MGT 499	Internship in Management	2 min
Total		69-71

Requirement for Honors in Management

For the Major in Management, the following courses may be taken for honors in the major: MGT 341, MGT 356, BUS 335, PHL 335V, MGT 410, MGT 425, MGT 435, MGT 481, and MGT 495.

Marketing

The marketing major is designed to prepare students to develop and implement effective marketing strategies (involving product, pricing, promotion, and distribution decisions) in organizational environments. The course of study combines both theory and practice: integrating marketing research, consumer behavior, and marketing communications; and providing opportunities to explore the challenges of personal selling, international marketing and internet marketing.

Requirements for the Major in Marketing

Required Business Core Courses		Semester Hours
ACC 205	Financial Accounting	4
ACC 207	Managerial Accounting I	2
BUS 100	Introduction to Business	2
BUS 122	Quantitative Methods for Business	4
or		
MTH 141	Calculus I	4
BUS 125	Business Communication	4

BUS 313	Planning for Meaningful Work	2
BUS 330	Legal and Ethical Environment of Business	4
ECN 200S	Introduction to Microeconomics	4
ECN 207	Introduction to Macroeconomics	2
FIN 320	Corporate Finance I	4
MGT 200	Management Principles	4
MKT 220	Marketing Principles	4
MTH 123	Elementary Statistics	3
PRN 150	Strategical Public Relations I	2

Required Major-Specific Courses

MKT 370	Consumer Behavior	4
MKT 371	Integrated Marketing Communications	4
MKT 372	Marketing Research	4
MKT 395	Digital Marketing	2
MKT 396	Personal Selling	2
MKT 474	Marketing Policies and Strategies (SCE)	2

And one of the following:

ART 217	Graphic Design I	3
(Add ART 253- 1 credit for "A" credit)		
ART 235	Photography I	4
CSC 100	Intro to Information Management	2
DSC 140S	Data Science	4
MDA 150	Digital Storytelling I	4
MDA 254	Social Media Strategies	4
MDA 256	Production Design	4
MKT 399	Special Topics in Marketing	2
MKT 499	Internship in Marketing	2
PHL 260V	Aesthetics	4
PRN 113	Event Planning	2
PRN 271	Media Copyrighting	4
PRN 320V	Public Relations Cases	4
PSY 260V	Sensation and Perception	4
SPB 230	Introduction to Sports Sales	4
SPB 330	Public Relations & Marketing	4
DSC 210	Data Visualization with Power BI	2

Total 65-69

Requirements for the Minor in Marketing

Requirements for the Minor in Marketing

BUS 100	Introduction to Business	2
MKT 220	Marketing Principles	4

Any additional 12+ hours of MKT coursework:

MKT 370	Consumer Behavior	4
MKT 371	Integrated Marketing Communication	4
MKT 372	Marketing Research	4
MKT 395	Digital Marketing	2
MKT 396	Selling and Sales Management	2
MKT 399	Marketing Special Topics	2
MKT 474	Marketing Policy and Strategy	2
MKT 499	Marketing Internship	2

Total 18

Requirement for Honors in the Marketing

For the Major in Marketing, the following courses may be taken for honors in the major: MKT 370, MKT 371, MKT 372, MKT 395, and MKT 396.

Sport Business

The sport business major is designed for students interested in joining the growing field of sport managers, directors, promoters, marketers and administrators. A demand for well-trained individuals in sport related fields creates possible employment with professional sport teams, colleges and universities, private clubs, government agencies, city recreation departments and the Y.M.C.A.

Requirements for the Major in Sport Business

Required Sport Business Courses		Semester Hours
SPB 100	Introduction to Sport Business	4
SPB 210	Analytics, Business Intelligence & New Media in Sport	4
SPB 230	Introduction to Sport Sales	4
SPB 290	Practicum in Sport Business I	1
SPB 330	Public Relations and Marketing of Sport	4
SPB 350	Event and Venue Management in Sport	4
SPB 390	Practicum in Sport Business II	1
SPB 410	Finance and Economics of Sport and Recreation	4
SPB 450	International Sport Business and Administration	4
Extra-Departmental Requirements		
ACC 205	Financial Accounting	4
MKT 220	Marketing Principles	4
Total		38
Sport Business Electives		
SPB 199	Special Topics in Sport Business	1-4
SPB 275	Sport Journalism	4
SPB 305	Travel Seminar	1-4
SPB 320	Recreation Management	2
SPB 370	Intercollegiate Athletic Administration	4
SPB 380	Sport Entrepreneurship	4
SPB 399	Special Topics in Sport Business	1-4
SBP 400	Independent Study	1-4
SPB 494	Honors Project	4-8
SPB 499	Internship in Sport Business	1-16

Requirement for the Minor in Sport Business

The minor in sport business is designed to provide the student with basic knowledge of the management and administration of sport. Students choosing to minor in sport business seek to incorporate a working knowledge of the field into their major.

Required Courses		Semester Hours
SPB 100	Introduction to Sport Business	4
SPB 230	Introduction to Sport Sales	4
SPB 350	Event and Venue Management in Sport	4
SPB XXX	Required or Elective Option (SPB 499 is not allowed)	4
Total		16

Requirements for Honors in Sport Business

To receive departmental honors in sport business, a student must satisfy all the following criteria: 1) have a grade point average of 3.5 in sport business courses; 2) have completed at least three sport business courses for a total of 10-12 hours with honors from among SPB 305, SPB 330, SPB 370, SPB 380, SPB 410, and SPB 450; 3) have registered with the Honors Review Board for departmental honors. One of the three courses in part 2) may be SPB 494 Honors Thesis/Project of four to eight semester hours credit.

School of Education

The School of Education's Teacher Education Program is approved by the Ohio Department of Education and the Ohio Department of Higher Education for the preparation of competent, capable and caring teachers in primary, middle childhood, intervention specialist, adolescence to young adult, and multiage licenses. The University of Mount Union School of Education's Teacher Education Program is also accredited by the Council for the Accreditation of Educator Preparation (CAEP). Candidates are able to major or minor in primary, middle childhood, intervention specialist, and physical education. Candidates are able to minor in adolescence to young adult, multiage education, and physical education.

- The primary education major and license prepare candidates to work with typically developing and included children for grades P-5.
- The primary education major and license prepare candidates to work with typically developing and included children for grades PK-3.
- The middle childhood major offers a choice of four different areas of emphasis leading to licensure: English, language arts, science, social studies and mathematics for grades 4-9. The middle childhood major chooses two areas of emphasis in addition to a minor area of study.
- The intervention specialist major chooses one area of focus: primary intervention specialist or mild/moderate intervention specialist. The primary intervention specialist teaching license is valid for teaching learners with mild/moderate/intensive education needs in grades P-5. The mild/moderate intervention specialist teaching license is valid for teaching learners with mild/moderate education needs from ages 5 through 21 and kindergarten through grade 12.
- The Minor in Multiage and Adolescence to Young Adult Education focuses on both multiage and adolescence to young adult. The adolescence to young adult emphasis of this minor, when taken with an appropriate major, offers programs leading to licensure in the following areas: earth science (geology major); physical science (chemistry or physics major); life science (biology major); integrated mathematics (mathematics major); integrated English language arts (English literature or writing major); and integrated social studies (history major). The multiage emphasis of this minor, when taken with an appropriate major, leads to licensure in the following areas: French, German, Japanese, Spanish, music, health, physical education and visual arts. Candidates wishing to obtain licenses in these areas should review those majors in the catalogue.

In all programs, the candidate is prepared to meet the requirements for the appropriate Ohio License. The middle childhood and prekindergarten special needs endorsement are also available. Licensure course requirements are available in the Teacher Education Program office. In order to meet the requirements for licensure in all programs, it is critical that the candidate begins the professional education sequence during the second semester of the first year and scrupulously follows the sequences for the appropriate major, minor and integrative core requirements.

Field experience typically begins during the first year. In order to provide a rich experience, placements are made in varied school and community agency settings that allow candidates to work with students in multiple grades related to their licensure area. Furthermore, the department utilizes the Ohio Typology levels to ensure that candidates receive varied experiences in districts with diverse locations, population densities, school enrollments, poverty levels and study body demographics. It is recommended that candidates have access to their own transportation. All field experience placements are typically within a 35-mile radius.

Candidates interested in teaching in other states should contact the state School of Education of the other state(s) for information on reciprocity and other licensure information. Assistance to teacher education candidates and graduates seeking teaching positions is provided by the Teacher Education Program office.

Candidates must meet and maintain the requirements for admission and continuance in the Teacher Education Program (TEP) including course grade requirements, successful field experiences for the licensure area, and other criteria, such as a disposition evaluation and an interview. If a candidate is not making satisfactory progress as described in the assessment plan at each transition point, the candidate will be notified of suspension and/or removal from the TEP. Candidates must be admitted into the TEP in order to take 300/400-level education classes. Teacher candidates must also meet the criteria established for acceptance into pre/clinical practice. Specific information regarding requirements at each transition point (TEP admission, entry into pre/clinical practice, and program completion) is available in the TEP office.

Requirements for the Major in Primary Education

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
EDU 234	Interdisciplinary Planning for Diverse Learners and Families	4
EDU 340	Phonics, Process, and the Structures of Language	

	Acquisition	4
EDU 210	Children's Literature	4
PRM 200	The Foundations and Management of the Primary Classroom	4
PRM 225	Young Children in Preschool	4

Choose two of the following:

EDU 218	Educational Technology	4
EDU 315G	Multicultural Education	4
ISP 220	Introduction to the Exceptional Learner	4
PRM 315	Social Studies Practices and Curriculum	4
PRM 320	Mathematics Practices and Curriculum	4
PRM 325	English Language Arts Practices and Curriculum	4
PRM 335	Scientific Practices and Curriculum	4
PRM 460	Preclinical Practice - Primary	4
PRM 440	English Language Arts Assessment in the Primary Classroom	4
PRM 470	Clinical Practice- Primary	14
Total		32

Requirements for the Minor in Primary Education

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
PRM 200	The Foundations and Management of the Primary Classroom	4
PRM 225	Young Children in Preschool	4

Choose one of the following:

EDU 234	Interdisciplinary Planning for Diverse Learners and Families	4
EDU 340	Phonics, Process, and the Structures of Language Acquisition	4
ISP 225	American Sign Language	4
PRM 315	Social Studies Practices and Curriculum	4
PRM 320	Mathematics Practices and Curriculum	4
PRM 325	English Language Arts Practices and Curriculum	4
PRM 335	Scientific Practices and Curriculum	4
Total		16

Requirements for the Major in Intervention Specialist

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
EDU 234	Interdisciplinary Planning for Diverse Learners and Families	4
EDU 315G	Multicultural Education	4
ISP 220	Introduction to the Exceptional Learner	4
ISE 320/ISM 320	Intervention Specialist Methods	4
ISE 380/ISM 380	Applied Behavioral Analysis for Teachers	4

Choose 8 hours:

EDU 218	Educational Technology	4
EDU 250	Foundations and Management of the Middle and High School Classroom	4
EDU 340	Phonics, Process, and the Structures of Language Acquisition	4
EDU 410	Professional Practicum	1-4
ISE 450	Understanding Young Children with Exceptionalities & The Learning Environment	2

ISP 225	American Sign Language	4
ISE 455	Instructional Strategies and Effective Collaboration for Young Children with Exceptionalities	4
Total		34

Requirements for the Minor in Intervention Specialist

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
EDU 234	Interdisciplinary Planning for Diverse Learners and Families	4
ISP 220	Introduction to the Exceptional Learner	4
ISE/ISM 320	Intervention Specialist Methods	4
ISE/ISM 380	Applied Behavioral Analysis for Teachers	4
Total		20

Requirements for the Major in Middle Childhood Education

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
EDU 230	Student Development: Implications for Planning and Teaching	4
EDU 250	Foundations and Management of the Middle and High School Classroom	4
EDU 315G	Multicultural Education	4
EDU 340	Phonics, Process and the Structures of Language Acquisition	4
MCH 345	Content Area Reading and Writing in Middle School	4
MCH 440	Middle Childhood Assessment and Literacy Practices	4

Choose two of the following:

MCH 315	Teaching Social Studies in the Middle School	4
MCH 320	Teaching Mathematics in the Middle School	4
MCH 325	Teaching English Language Arts in the Middle School	4
MCH 335	Teaching Science in the Middle School	4
Total		36

Requirements for the Minor in Multiage and Adolescence to Young Adult Education

Required Courses		Semester Hours
EDU 150	Introduction to the Teaching Profession	4
EDU 230	Student Development: Implications for Planning and Teaching	4
EDU 315G	Multicultural Education	4
EDU 355	Content Area Literacy	4
EDU 440	Assessment, Instructional Design, and Evaluation in Education	4
Total		20

Additional coursework is necessary for licensure. Each licensure area requires coursework in disciplines other than education. This additional coursework should be carefully chosen and scheduled to fulfill other University requirements when appropriate. Please refer to Catalogue listing of specific department course grade requirements. It is essential that a candidate wishing to minor in education consult an advisor in the School of Education early in the first year at Mount Union.

Physical Education Pedagogy

The physical education pedagogy major requires 36 hours of coursework, with additional hours to complete within the Education Department for students seeking to fulfill the state of Ohio teacher licensure requirements. The physical education pedagogy major shall fulfill the Senior Culminating Experience requirement by presenting their assessment projects in Assessment in Health and Physical Education.

Candidates seeking a teaching license in physical education must earn a grade of C- or better in all physical education pedagogy and exercise science courses required for licensure. If a minimum grade of C- is not earned, candidates are required to retake the course until a grade of C- or better is earned.

Requirements for the Major in Physical Education Pedagogy

Required Physical Education Courses		Semester Hours
PEP 110	Team Games	2
PEP 130	Lifetime Leisure Activities	2
PEP 150	Lifetime Fitness Activities	2
PEP 430	Motor and Developmental Learning	4
PEP 450	Methods in Teaching Health and Physical Education	4
PEP 451	Advance Methods in Teaching Health and Physical Education	4
PEP 490	Professional Conference	0
EDU 440	Assessment, Instructional Design, and Evaluation	4
Required Departmental Courses		
EXS 110	Exercise Physiology I	4
EXS 220	Foundations of Human Movement	4
Required Extra-Departmental Courses		
BIO 105	Elements of Anatomy and Physiology	4
Total		34

Requirements for Honors in Physical Education

To receive departmental honors in physical education pedagogy (PEP), a student must satisfy all of the following criteria: 1) have a grade point average of 3.5 in PEP major courses; 2) have completed at least three PEP major courses with honors for a total of 12 semester hours from among PEP 430, 440, EXS 110, and 220. One of the three courses in part 3) may be an Honors Thesis/Project (All-University course 494) of three to six semester hours credit.

Coaching Minor

Requirements for the Minor in Coaching

Required Courses		Semester Hours
EXS 110	Exercise Physiology I	4
COA 275	Sports Nutrition for Coaches	4
COA 310	Psychology of Coaching	4
COA 430	Coaching Practicum	2
Choose two of the following:		
COA 320	Coaching Basketball	2
COA 321	Coaching Football	2
COA 322	Coaching Soccer	2
COA 323	Coaching Wrestling	2
COA 324	Coaching Track and Field	2
COA 325	Coaching Baseball	2
COA 326	Coaching Softball	2
COA 327	Coaching Golf	2
COA 328	Coaching Tennis	2
COA 329	Coaching Volleyball	2
COA 330	Coaching Swimming and Diving	2
COA 331	Coaching Lacrosse	2
Total		18

Samuel W. and Dolores E. Brenton School of Engineering

The Samuel W. and Dolores E. Brenton School of Engineering offers programs that provide technical breadth and depth in the four engineering disciplines that are integrated with the overall mission of the University of Mount Union. These programs will prepare graduates to become leaders in the engineering profession through experiential learning, integration of engineering education with business and entrepreneurship, and focus on strong communication skills. The programs will also require a global experience, so graduates are prepared to enter the increasingly global engineering workplace. The engineering curricula will make use of experiential and collaborative learning in lecture, laboratory, and simulation courses.

Requirements for the Major in Biomedical Engineering

The Bachelor of Science degree in Biomedical Engineering at the University of Mount Union is accredited by the Engineering Accreditation Commission of ABET (https://www.ABET.org), under the commission's General Criteria and Program Criteria for Biomedical Engineering.

Required Courses		Semester Hours
EGE 110	Introduction to the Engineering Profession	2
EGE 120	Introduction to Engineering Design	2
EGE 130	Computer-Aided Design	2
EGE 210	Statics and Dynamics	4
EGE 240	Mechanics of Materials	4
EGE 310	Product Design and Development	4
EGE 320G	Global Engineering	4
BME 210	Biomaterials I	2
BME 310	Biomechanics	4
BME 320	Biomedical Signals and Instrumentation	4
BME 410	Biomaterials II	2
BME 412	Biomedical Transport	4
BME 414	Rehabilitation Engineering	2
BME 424	Medical Imaging and Digital Image Processing	4
BME 480	Biomedical Engineering Capstone I	2
BME 490	Biomedical Engineering Capstone II	4
CEE 221	Electrical Circuits Analysis	4
or		
PHY 230V	Electronics	4
Technical Electives (choose 4 credits)		
BME 436	Biomedical Engineering Research I	2
BME 437	Biomedical Engineering Research II	2
Required Extra-School Courses		
BIO 140	The Unity of Life	4
BIO 210	Anatomy and Physiology I	4
CHE 120N	Concepts in Chemistry	4
CHE 231	Organic Chemistry	4
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 205	Introduction to Probability and Statistics for Engineering	2
MTH 235	Topics in Linear Algebra	1
MTH 335	Differential Equations	3
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
MGT 495	Project Management	2
Total		94

Requirements for the Major in Computer Engineering

The Bachelor of Science degree in Computer Engineering at the University of Mount Union is accredited by the Engineering Accreditation Commission of ABET (https://www.ABET.org), under the commission's General Criteria and Program Criteria for Computer Engineering.

Required Courses		Semester Hours
EGE 110	Introduction to the Engineering Profession	2
EGE 120	Introduction to Engineering Design	2
EGE 310	Product Design and Development	4
EGE 320G	Global Engineering	4
EEE 209	Electrical and Computer Engineering Tools	2
EEE 221	Electrical Circuits Analysis I	4
EEE 234	Digital System Design	4
EEE 325	Engineering Electronics I	4
EEE 331	Signals and Systems	4
CPE 222	Operating System Concepts	2
CPE 334	Advanced Digital Systems Design	2
CPE 427	Embedded Systems and Microprocessors	4
CPE 431	Computer Systems Engineering	4
CPE 480	Computer Engineering Capstone I	2
CPE 490	Computer Engineering Capstone II	4

Technical Electives (choose 4 credits)		
CPE 422	Programmable Logic Design	2
CPE 425	Introduction to VLSI Design	2
CPE 426	Introduction to Software Engineering	2
CPE 430	Introduction to VHDL	2
CPE 434	Microprocessor Systems	2
CPE 446	Assembly and Systems Programming	2
CPE 452	Introduction to Computer Security	2
EEE 444	Digital Signal Processing	4

Required Extra-School Courses		
CHE 120N	Concepts in Chemistry	4
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 270	Computer Organization	4
CSC 320	Algorithm and Data Structures	4
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 241	Calculus III	4
MTH 205	Introduction to Probability and Statistics for Engineering	2
MTH 362	Discrete Mathematics and Combinatorics	2
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
MGT 495	Project Management	2

Total		102

Requirements for the Major in Civil Engineering

The Bachelor of Science degree in Civil Engineering at the University of Mount Union is accredited by the Engineering Accreditation Commission of ABET (https://www.ABET.org), under the commission's General Criteria and Program Criteria for Civil Engineering.

Required Courses		Semester Hours
EGE 110	Introduction to the Engineering Profession	2
EGE 120	Introduction to Engineering Design	2
EGE 130	Computer-Aided Design	2
EGE 210	Statics and Dynamics	4

EGE 220	Thermodynamics and Fluid Mechanics I	4
ECE 230	Construction Materials	2
EGE 240	Mechanics of Materials	4
EGE 320G	Global Engineering	4
ECE 310	Engineering Surveying	2
ECE 320	Transportation Engineering and Traffic Analysis	2
ECE 330	Environmental Engineering	4
ECE 340	Structural Analysis	4
ECE 350	Geotechnical Engineering	4
ECE 360	Water Resource Engineering	4
ECE 370	Construction Engineering and Management	4
ECE 420	Structural Design	4
ECE 440	Sustainable Infrastructure Design	2
ECE 460	Geotechnical Engineering Design	2
ECE 470	Construction Methods and Equipment	2
ECE 480	Civil Engineering Capstone I	2
ECE 490	Civil Engineering Capstone II	4

Required Extra-School Courses

CHE 120N	Concepts in Chemistry	4
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 241	Calculus III	4
MTH 205	Introduction to Probability and Statistics for Engineering	2
MTH 235	Topics in Linear Algebra	1
MTH 335	Differential Equations	3
PHY 101N	General Physics I	4
PHY 102	General Physics II	4

Total Credit Hours 94

Four credits in college level science are required in addition to those already required by the program. This is typically referred to as a science elective course and students may select from an approved list.
The approved list is:

BIO 140	The Unity of Life	4
BIO 141N	The Diversity of Life	4
ENV 190N	Introduction to Environmental Science	4
GEO 112N	Physical Geology: How the Earth Works	4
GEO 116N	Investigation Earth	4

Requirements for the Major in Mechanical Engineering

The Bachelor of Science degree in Mechanical Engineering at the University of Mount Union is accredited by the Engineering Accreditation Commission of ABET (https://www.ABET.org), under the commission's General Criteria and Program Criteria for Mechanical Engineering.

Required Courses		Semester Hours
EGE 110	Introduction to the Engineering Profession	2
EGE 120	Introduction to Engineering Design	2
EGE 130	Computer-Aided Design	2
EGE 210	Statics and Dynamics	4
EGE 220	Thermodynamics and Fluid Mechanics I	4
EME 230	Material Science	2
EGE 240	Mechanics of Materials	4
EGE 310	Product Design and Development	4
EGE 320G	Global Engineering	4
EME 310	Kinematics and Dynamics of Machinery	4

EME 320	Thermodynamics and Fluid Mechanics II	4
EME 330	Design of Machine Elements	4
EME 350	Manufacturing Science	2
EME 410	Control of Dynamic Systems	4
EME 420	Mechanical Vibrations	4
EME 430	Heat Transfer	4
EME 480	Mechanical Engineering Capstone I	2
EME 490	Mechanical Engineering Capstone II	4
CEE 221	Electrical Circuits Analysis	4
or		
PHY 230V	Electronics	4

Technical Electives (choose one)

EGE 440	Introduction to Finite Element Analysis	2
EGE 450	Fatigue and Fracture Analysis	2
EME 455	Engineering Tribology	2
EME 445	Sustainable Energy Practices	2

Required Extra-School Courses

CHE 120N	Concepts in Chemistry	4
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 241	Calculus III	4
MTH 205	Introduction to Probability and Statistics in Engineering	4
MTH 235	Topics in Linear Algebra	4
MTH 335	Differential Equations	4
PHY 101N	General Physics I	4
PHY 102	General Physics II	4
MGT 495	Project Management	2

Total Credit Hours 94

Requirements for the Minor in Electrical Engineering

Required Courses		Semester Hours
CEE 234	Digital Systems Design	4
CEE 239	Engineering Electromagnetism	4
CEE 331	Signals & Systems	4
or		
BME 320	Biomedical Signals and Instrumentation	4

Choose at least 4 hours from the following:

CEE 327	Intelligent Systems Engineering	2
CEE 338	Electric Power Principles	3
CEE 453	Communication Systems Engineering	4
BME 424	Medical Imaging and Digital Image Processing	4

Total 16

Students without the required prerequisites for the listed courses would not be able to complete the Minor in Electrical Engineering in 16 credit hours.

Minor in Applied Artificial Intelligence

The minor in applied artificial intelligence encompasses the skill sets needed to utilize artificial intelligence applications and technologies in a wide range of discipline-specific industries and is geared towards all students who are interested in AI applications in their discipline. AI applications and technologies refer to the various ways in which artificial intelligence (AI) is utilized to perform tasks, solve problems, and make decisions across different fields and industries. These applications leverage AI algorithms, data processing techniques, and computational power to simulate human intelligence and behavior, enabling machines to perform tasks that typically require human cognitive abilities.

Enrollees in the Applied Artificial Intelligence Minor explore specialized applications, technologies, and case studies tailored for various sectors, including healthcare, business and finance, arts and humanities, social and applied sciences, and other

domains requiring expertise in automation. Equipped with a solid foundation in AI applications and technologies, students develop the skills needed to excel in tasks related to automation and artificial intelligence, enhancing their adaptability in dynamic professional environments and industries undergoing continuous evolution.

Requirements for the Minor in Applied AI

Required Courses		Semester Hours
AAI 180H	Fundamentals of AI	4
AAI 280	Visualizing Artificial Intelligence with Logical Thinking	4
AAI 380	AI Capstone Practicum Course	2
Choose at least 4 hours from the following Discipline-specific Courses:		
CSC 480	Artificial Intelligence	4
POL 322	Cyberwar and Cybersecurity	4
ART 240	Graphic Design II	4
MKT 220	Marketing Principles	4
WRT 110H	Introduction to Professional Writing	4
EDU 218	Educational Technology	4
MKT 471	Marketing Research	4
PHY 120N	Astronomy	4
BME 320	Biomedical Signals and Instrumentation	4
CEE 427	Embedded Systems and Microprocessors	3
CEE 431	Computer Systems Engineering	3
Total		14

Minor in Robotics and Automation Engineering

The minor in robotics and automation engineering encompasses the skill sets needed in the advanced manufacturing industry and commonly falls under the area of mechatronics engineering. Mechatronics engineers work at the intersection of mechanics, electronics, and controls systems to create automation solutions for more efficient and simpler manufacturing. This multidisciplinary field works on specialized control systems for the microelectronic industry, food packaging, amusement parks, heavy machinery, distribution facilities, drones, and where engineering automation is needed. Having fundamentals in both mechanical and electrical engineering, robotics and automation engineers solve problems across both fields giving versatility to an ever-expanding sector.

Requirements for the Minor in Robotics and Automation Engineering

Required Courses		Semester Hours
CSC 120	Program Problem Solving I	4
EGE 210	Statics and Dynamics	4
CEE/EME 410	Control of Dynamic Systems	4
Choose at least 8 hours from the following:		
CEE 239	Engineering Electromagnetics	4
CEE 331	Signals and Systems	4
BME 320	Bioinstrumentation	4
EME 310	Kinematics of Machinery	4
CEE 335	Deep Learning Engineering Applications	2
CEE 427	Embedded Systems and Microprocessors	3
Total		20*

Note: Students must complete at least 8 credit hours outside their required major courses.

*Applies to students who have satisfied the pre-requisites for the courses listed above. In all other cases, the number of credit hours required for completing a Minor in Robotics and Automation Engineering will be more than 20.

Department of Exercise Science, Sport, and Nutrition Sciences

Exercise Science

The exercise science major is a part of the Department of Exercise, Sport, and Nutrition Sciences. The exercise science program is designed to meet the increasing demand in our society for quality health care professionals. The Graduate Track prepares students for graduate school in areas including exercise physiology, biomechanics/kinesiology, nutrition as well as professional programs including physical therapy, occupational therapy, chiropractic, and physician assistant studies. The Applied Track prepares students to enter the workforce in areas including personal training, corporate and worksite wellness programs, fitness facilities and sport performance coaching programs. This track will also prepare the student for various certification levels offered by the American College of Sports Medicine (ACSM) and/or the National Strength and Conditioning Association (NSCA) upon graduation.

At the University of Mount Union, courses in Exercise Science (EXS) offer students a life span approach to physical fitness, performance and health and prepares them for a career in the allied-health field. Courses are designed to expand upon information provided in the basic sciences of anatomy/physiology and chemistry. By design students learn about the effects of exercise on children, adolescents, adults, and the geriatric population. Course work also includes basic pharmacology for the health professional, testing and exercise prescription in fitness, research design/statistics and individualized direct experiences (IDE) to allow students the opportunity to apply their knowledge and skills.

Requirements for the Major in Exercise Science

Required Exercise Science Courses		Semester Hours
EXS 100	Introduction to Exercise Science	4
EXS 110	Exercise Physiology I	4
EXS 111	Exercise Physiology II	4
EXS 200	Sophomore Seminar: Professional Skills in Exercise Science	2
EXS 210	Exercise Physiology Practicum	2
EXS 220	Foundations of Human Movement	4
EXS 250	Strength Training and Conditioning	4
EXS 320	Exercise Testing and Prescription	4
EXS 350	Scientific Inquiry	4
EXS 360	Special Populations	4
EXS 361-363,365	IDE: Special Populations (choose one)	1
EXS 400	Senior Seminar: Contemporary Issues	1
EXS 410	Senior Comps	1
EXS 470	Senior Research	4
EXS 471	IDE: Senior Research Data Collection	2
BIO 210	Anatomy and Physiology I	4
BIO 211	Anatomy and Physiology II	4
CHE 120N	Concepts in Chemistry	4
Total		57

Students should consult the advising sheet for specific career paths for guidance in choosing Elective courses.

Requirements for the Concentration in Strength & Conditioning

This optional concentration is for students who want to specifically work in the field of strength & conditioning at the high school, collegiate, or professional level.

In addition to all the university requirements for the Bachelor of Science in Exercise Science, those pursuing the Concentration in Strength & Conditioning must complete the following courses:

Required Courses		
EXS 251	Advanced Strength and Conditioning	4
EXS 252	Data and Technology in Sport Science	2

EXS 253	Strength & Conditioning Practicum	2
EXS 497	Strength and Conditioning Field Experience I	4
EXS 498	Strength and Conditioning Field Experience II	4
EXS 375	Sports Nutrition and Ergogenic Aids	4
COA 310	Psychology of Coaching	4
or		
PSY 255	Sport Psychology	4
Total		24

Requirements for the Minor in Exercise Science

Required Courses		Semester Hours
EXS 105	Foundations of Exercise, Health, and Performance	4
EXS 220	Foundations of Human Movement	4

Choose any two of the following:

EXS 111	Exercise Physiology II	4
EXS 230	Basic Pharmacology	4
EXS 250	Strength Training and Conditioning	4
EXS 330	Cardiac Rehabilitation	4
EXS 340	Corporate and Worksite Wellness	4
EXS 370	Environmental Physiology	4
EXS 375	Sports Nutrition and Ergogenic Aids	4
EXS 390	Lifespan Nutrition	4
EXS 490	Advanced Nutrition for the Health Sciences	4
Total		18

Requirements for Honors in Exercise Science

To receive honors in the exercise science program a student must meet all criteria for graduating with honors in a major.

Exercise Science and Master of Science in Occupational Therapy (3+2)

The University of Mount Union offers an accelerated 3+2 program that combines a bachelor's degree in Exercise Science with a Master of Science in Occupational Therapy (MSOT). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In the first three years, students fulfill the requirements for the Exercise Science degree, with the exception of the 120-credit hour requirement. The fourth year marks the beginning of the MSOT program, during which students complete coursework that counts toward both their undergraduate and graduate degrees. This structure allows students to earn both degrees in five years instead of the traditional six-year period, providing a unique opportunity for driven individuals to expedite their academic and professional development in the field of occupational therapy.

Admission Requirements/Criteria

Interested candidates must apply using the UMU MSOT Early Assurance Application which may be located through mountunion.edu. Applications must be complete and submitted by the established deadline. For consideration, applicants must meet the following criteria:

- Complete at least 1 semester of full-time academic study at UMU in a degree granting program of study (Exercise Science declared major)
- Possess a minimum GPA of 3.5 or higher

Interviews will be conducted by invitation-only following application review. An interview is required prior to an offer of 3+2 Early Assurance. Once accepted to the 3+2 program, students must fulfill established requirements to retain their seat in the MSOT program. These requirements include:

- maintain a 3.0 overall GPA; and 3.0 prerequisite GPA
- complete all prerequisite coursework with a C or better
- complete all exercise science degree requirements prior to beginning MSOT coursework
- Submit formal application to MSOT program (summer prior to third year)
- Submit 2 letters of recommendation (fall semester 1-year prior to program matriculation)
- Complete formal interview

- Pay a non-refundable deposit of $500.00 to hold a seat in the class

Requirements for the 3+2 Exercise Science/MSOT

Required Courses Semester Hours	Semester Hours
EXS 100 – Introduction to Exercise Science	4
EXS 110 – Exercise Physiology I	4
EXS 111 – Exercise Physiology II	4
CHE 120N – Concepts in Chemistry	4
BIO 210 - Anatomy & Physiology I*	4
BIO 211 - Anatomy & Physiology II*	4
EXS 200 – Sophomore Seminar (2nd half in EXS 210 timeslot)	2
EXS 210 – Exercise Physiology Practicum I	2
EXS 220 – Foundations of Human Movement*	4
EXS 250 – Strength Training & Conditioning (lab)	4
EXS 260V – Scholarship in Exercise Science	4
EXS 320 – Exercise Testing & Prescription	4
EXS 350 – Scientific Inquiry*	4
EXS 360 – Special Populations	4
EXS 361-5 - IDE: Special Populations	1
EXS 400 – Senior Seminar: Contemporary Issues	1
EXS 410 – Senior Comps	1
EXS 470 – Senior Research	4
EXS 471 – IDE: Senior Research Data Collection	2
Other coursework:	
FYS 100 First Year Seminar	4
Integrative Core – A Foundation	4
PSY 110S Integrative Core – S Foundation	4
Integrative Core – Exploration G	4
CAP 400 Integrative Core – Capstone	4
Integrated Core – H Foundation	4
EXS 280 Medical Terminology*	2
PSY 225 Lifespan Development*	4
PSY 240 Abnormal Psychology*	4
SOC 100S Intro to Sociology*	4
World Language Requirement (if needed)	0-8
Math Requirement	3-4
Total	102-111

*courses accepted as prerequisite coursework for the MSOT program

Students will meet the credit hour requirement for the bachelor's degree with earned credits from the first year of the MSOT program. If a student is accepted into the 3+2 program and chooses not to continue, withdraws, or is removed from the MSOT program for any reason, the student will be required to finish the outstanding credit hour and graduation requirements to be awarded the Bachelor of Science in Exercise Science Degree from the University of Mount Union. Credit hour and graduation requirements can be found in the UMU Undergraduate Catalog.

Department of Interdisciplinary Humanities

Programs in the Department of Interdisciplinary Humanities focus on posing and answering questions, solving problems, and addressing issues which are too broad or complex to be dealt with adequately by a single discipline. Since most significant issues have multiple causes, interdisciplinary programs integrate a range of perspectives and methodologies to provide a more comprehensive understanding of those issues. Programs in Justice, Diversity, & Interdisciplinary Humanities draw upon multiple disciplinary perspectives and integrate their insights to produce more comprehensive understanding and insight. Through these programs, students develop and refine the intellectual tools needed to build bridges between academic disciplines.

A self-defined major is available to a student interested in pursuing a concentration of study not specified in this Catalog. Such majors must satisfy all University requirements for graduation and must be consistent with the learning goals of the University of Mount Union. A student who has completed no more than half the courses in the self-defined major and has at least a 2.5 GPA may submit a self-defined program proposal to the Academic Policies Committee. The proposal must include a clear statement of the objective to be reached by the major, a list of courses that will be completed to satisfy the major, and a statement in support of the major from at least two faculty members, preferably in two different disciplines. The Academic Policies Committee will review the proposed major to ensure that it does not significantly duplicate another existing major at the university and that the proposed program is sufficiently rigorous. The proposal should include a clear rationale for pursuing the proposed major, and that the required courses in the major are the best choices for the student's educational objective. If the Self-Defined Major is approved by Academic Polices, any changes or substitutions must be approved by the Academic Policies Committee and on file with the University Registrar.

Africana Studies Program

Africana Studies is an interdisciplinary program devoted to the historical, cultural, social and political legacies and subjective consequences of the dispersal of African peoples across the globe through the Atlantic, Indian Ocean and Saharan Slave Trades -- the largest forced migration in human history. It comprises the focused and critical study of the people, cultures and institutions of Africa and the African diaspora including the impact of slavery, colonialism, attitudes about race and ethnicity, as well as offering an interdisciplinary perspective on problems confronting a modern multiracial world. The program provides University of Mount Union students with exposure to the experiences – historical and contemporary -- of black people(s) while teaching the analytical tools and skills necessary for rigorous and culturally sensitive analyses of those experiences. Faculty in the Africana Studies Program are committed to preparing students in the essential analytical, writing and communication skills necessary for the modern professions as well as graduate and post-graduate study. The Africana Studies Program is part of the Department of Interdisciplinary Humanities.

Requirements for the Minor in Africana Studies

Required Course		Semester Hours
AFR 150H	Africana Worlds: From the Atlantic Slave Trade to #BLM	4
Two of the following in Africana Studies		
AFR 260G	Rap and Rhetoric of the Hip Hop Generation	4
AFR 308G	Still We Rise: Pivotal Africana People and Movements	4
AFR 326G	Black Diaspora Culture	4
AFR 346V	Imagining Slavery	4
AFR X99	Any level Special Topics	4
One of the following in the Humanities or Social Sciences		
ENG 310G	Africana Literature	4
REL 345G	The Black Church	4
HIST 295H	The Long Struggle: African-American History & Civil Rights	4
SOC 270	Urban Sociology	4
SOC 330G	Minority Group Relations	4
or, an approved international study experience		
One or more of the following Experiential Requirements, totaling 2-4 credit hours		
IDS 300V	Building Community, Building Peace	4
AFR 495	Independent Study in Africana Studies	2-4

AFR 499	Internship in Africana Studies	2-4
IDS 275	Interdisciplinary Modes of Inquiry	2-4
Total		18-20

Gender and Sexuality Studies

This interdisciplinary minor, drawn from the humanities and social sciences, examines the significance of gender and sexuality in shaping the experiences of communities and individuals. Within the liberal arts tradition, gender and sexuality studies analyzes the effects of cultural attitudes and social structures about gender and sexual identity and experiences, examines previously unavailable information about the lives and contributions of gender and sexual minorities, and demonstrates the importance of gender and sexuality as categories of analysis to understand social structures of identity, power, and privilege. Graduates who have completed the gender and sexuality studies minor are poised to work in a variety of settings ranging from social service to policy and lobbying organizations to research centers and educational services. Additionally, minoring in gender and sexuality studies appropriately prepares students for many graduate programs. The Gender and Sexuality Studies minor is part of the Department of Interdisciplinary Humanities.

Requirements for the Minor in Gender and Sexuality Studies

Required Courses		Semester Hours
GEN 150S	Introduction to Gender and Sexuality Studies	4
Any one of the following Gender and Sexuality courses		
GEN 220	Gender, Body, Identity	4
GEN 320V	From Antietam to Tora Bora: American Men at War	4
GEN 330G	International Perspectives on Gender	4
GEN X99	Any level Special Topics	4
Any one of the following Humanities courses		
ENG 245H	Queering the Literary Landscape	4
ENG 345V	Gender Issues in Literature and Culture	4
HST 280H	American Women's History	4
REL 370G	Gender and Religion	4
Any one course from the following Social Sciences courses		
COM 380G	Gender, Sexuality, and Communication	4
CRJ 208	Diversity Issues in Criminal Justice	4
CRJ 340	Victimology	4
ECN 330G	Economics of Gender	4
POL 325	Civil Rights: Race, Gender, & Sexual Orientation Discrimination	4
MDA 378G	Identity, Power, and the Media	4
PSY 345	Human Sexual Behavior	4
PSY 380G	Psychology of Gender	4
SOC 225	Family Violence	4
One or more of the following Experiential Requirements, totaling 2-4 credit hours		
IDS 300V	Building Community, Building Peace	4
GEN 400	Independent Study in Gender and Sexuality Studies	2-4
GEN 499	Internship in Gender and Sexuality Studies	2-4
IDS 275	Interdisciplinary Modes of Inquiry	2-4
Total		18-20

Health and Human Values

The Health and Human Values minor at Mount Union is an interdisciplinary program integrating the humanities and social sciences to help students to cultivate a deeper and broader understanding of health at multiple levels: individual, family and community, societal and global. Students will engage multiple and interrelated contexts of health and well-being, including religious and spiritual, economic, cultural, geographic, and artistic. They will consider the ways in which environment, socio-economic status, gender, race, age, religion, and other factors affect health and health disparities. Students will reflect on their own concepts of health and well-being (physical, spiritual, mental), developing capacities for resilience and a sense of purpose, as well as cultivating deeper empathy for persons across categories of difference. Through the course of the Health and Human Values

minor, students will gain resources to advocate for health and health justice. The minor will help students gain a better understanding of health and healthcare in American and global society and will help students in health-related fields to become more effective practitioners. The Health and Human Values program is part of the Department of Interdisciplinary Humanities.

Requirements for the Minor in Health and Human Values

Required Courses		Semester Hours
HED 220A	Arts and Society: Cultural Expressions of Health*	4
IDS 300V	Building Community, Building Peace	4
or		
IDS 495	Independent Study (Health-related)	4
or		
IDS 499	Internship (Health-related)	4
Any ONE course from the Health Humanities:		
REL 240H	Interreligious Understanding for Healthcare	4
REL 350G	Death and Dying	4
REL 370G	Gender and Religion	4
PHL 280H	Biomedical Ethics	4
Any ONE course from the Health Social Sciences:		
SOC 220	Many Faces of Poverty	4
PSY 280G	Global Health Psychology	4
ECN 310V	Health Economics	4
COM 386G	Public Advocacy for Social Justice	4
Any ONE additional course from either Health Humanities or Social Sciences OR the following:		
COM 200G	Global and Intercultural Communication	4
HED 380	Nutrition	3
HED 381	Substance Abuse and Prevention	3
HED 382	Disease Prevention and Control	3
HED 383	Human Sexuality	3
NUR 130	Health Promotion throughout the Lifespan	4
PSY 220	Aging and Adulthood	4
PSY 225	Lifespan Development	4
PSY 290	Introduction to Autism Spectrum	4
PSY 325G	Cultural Psychology in Neuroscience	4
PSY 330	Drugs and Behavior	4
PSY 345	Human Sexual Behavior	4
REL 340V	Christian Social Ethics	4
SOC 130	Intro to Social Services	4
SOC 200	Contemporary Social Issues	4
SOC 215	Drugs and Society	4
SUS 100	Intro to Sustainability	2
Total		18-20

Peacebuilding and Social Justice

The Peacebuilding and Social Justice (PSJ) minor offers an interdisciplinary approach to understanding and addressing conflict at interpersonal, community, and global levels. Drawing primarily from the humanities and social sciences, the program emphasizes creative, nonviolent, and sustainable solutions rooted in diverse academic perspectives.

Students in the program examine the foundations of peace and justice, gaining both theoretical insight and practical skills for conflict prevention and transformation. The curriculum supports the pursuit of "positive peace," a concept that links lasting peace with the presence of social justice. Students have significant opportunities for hands-on learning, such as domestic and international service and related travel, lobbying on Capitol Hill, and class-based experiential projects.

The PSJ minor complements any major and equips students for graduate study or careers in law, education, counseling, nonprofit work, business, social services, and more. The program is housed within the Department of Interdisciplinary Humanities.

Requirements for the Minor in Peacebuilding and Social Justice

Required Course		Semester Hours
PSJ 150H	Peacebuilding and Social Justice	4
Two of the following in the Humanities		
COM 386G	Public Advocacy for Social Justice	4
HST 207V	American History, 1880-1945	4
HST 208V	United States since 1945	4
IDS 200H	Why Forgive?	4
REL 300V	War, Peace, and Power in the Bible	4
REL 340V	Christian Social Ethics	4
REL 360G	Religious Conflict and Peacebuilding	4
ENG 305G	Literature of Liberation	4
ENG 320G	Irish Literature and Culture	4
ENG 335V	Literature and Human Rights	4
One of the following:		
ENT 150	Introduction to Entrepreneurship	4
POL 325	Civil Rights; Race, Gender, and Sexual Orientation Discrimination	4
POL 321	Terrorism	4
IDS 350	Social Responsibility	4
PSY 385G	Psychology of Prejudice and Power	4
SOC 220	The Many Faces of Poverty	4
SOC 225	Family Violence	4
One or more of the following	Experiential Requirements, totaling 2-4 credit hours	
IDS 300V	Building Community, Building Peace	4
PSJ 490*	Travel Seminar (or other study abroad experience*)	2-4
PSJ 495	Independent Study	2-4
PSJ 499	Internship	2-4
IDS 275	Interdisciplinary Modes of Learning	2-4
PSJ/POL 170	Lobbying on Capitol Hill	2
Total		18-20 credits

*In consultation with and approval of the Coordinator of the Peacebuilding and Social Justice Program. USAC programs offer a variety of appropriate experiences including but not limited to Holocaust/Genocide/Peace Studies programs in England, Israel, Japan, Korea, Norway, Scotland and Sweden; short-term travel seminars may also qualify.

Philosophy

The study of philosophy empowers students to think more clearly and creatively by providing them with experience in analyzing, evaluating, and constructing arguments about the most fundamental topics: the sources and limits of human knowledge, the nature of the world and the self, and the foundations of ethical and aesthetic value. In philosophy courses, students engage with both historical and contemporary attempts to answer central human questions, and students are provided with structured opportunities to develop their own rational and reflective approaches to such questions.

A philosophy minor is an excellent companion to any major, marking you as a graduate with the proven ability to think clearly, deeply, and creatively. In addition, the study of philosophy is excellent preparation for further study and practice in any field, including law, medicine, computer science, theology, writing, and many others. Most Philosophy courses have no prerequisites and are open to all students with an interest in the area.

The philosophy minor is administered by the Department of Interdisciplinary Humanities. A self-defined major is also available, in consultation with Department faculty.

Requirements for the Minor in Philosophy

Required Courses		Semester Hours
Four 4-sem-hrs PHL Courses, at least three of which must be at the 200-level or above from the listing below:		
PHL 100H	Introduction to Philosophy	4
PHL 105H	Philosophy and Film	4
PHL 120H	Contemporary Moral Problems	4

PHL 270V	Ethics	4
PHL 210	Logic	4
PHL 220H	Ancient Greek Philosophy	4
PHL 230V	Modern Philosophy	4
PHL 250H	Philosophy of Religion	4
PHL 260V	Aesthetics	4
PHL 280H	Bio-Medical Ethics	4
PHL 290V	Environmental Ethics	4
PHL 291	The Wilderness	2
PHL 310V	Experience, Knowledge, and Reality	4
PHL 320V	Philosophy of Mind/Artificial Intelligence	4
PHL 335V	Business Ethics	4
IDS 350	Social Responsibility	4
Total		16

Religious Studies

The Religious Studies major seeks to prepare students for a fulfilling life, meaningful work, and responsible citizenship through inviting them to engage in questions that are at the core of human identity, value, and meaning. Students will explore the nature and place of religion in human experience in both its individual and corporate dimensions. Religious experience will be explored through scriptural, historical, theological, and ethical traditions in the world's religions. The minor offers significant opportunity for experiential learning through site visits, guest speakers, conference travel, and study abroad.

Requirements for the Minor in Religious Studies

Required courses — Semester Hours

Four 4-sem-hrs PHL Courses, at least three of which must be at the 200-level or above from the listing below:

REL 120H	Reel Religion: Religion and Human Experience	4
REL 130H	Religions of the World	4
REL 200H	Biblical Texts and Contexts	4
REL 240H	Interreligious Understanding for Healthcare	4
REL 300V	War, Peace, and Power in the Bible	4
REL 310V	Jesus and the Gospels	4
REL 325V	Christianity & Culture	4
REL 335V	Native American Spirituality	4
REL 340V	Christian Social Ethics	4
REL 345G	The Black Church	4
REL 350G	Death and Dying	4
REL 360G	Religious Conflict & Peacebuilding	4
REL 370G	Religion, the Body, and Health	4
REL 490	Travel Seminar	4
REL 495	Independent Research	2-4
REL 499	Internship in Religion	2-4
IDS 350	Social Responsibility	4
Total		16

Social Justice & Diversity Studies and Master of Arts in Social Justice (3+2 Program with Methodist Theological School in Ohio)

The University of Mount Union recognizes that certain students have the motivation, capacity, and readiness to complete their undergraduate education and graduate education in an accelerated manner. The 3+2 Social Justice & Diversity Studies and Master of Arts in Social Justice allows highly motivated students to complete all requirements for both an undergraduate degree in a self-defined major and a graduate degree from the Methodist Theological School in Ohio (MTSO) in 5 years of full-time study, as opposed to the traditional six-year path of study. Under this 3+2 Program, students will complete three years of full-time study at Mount Union, immediately followed by two years of full-time study at MTSO. During the fourth year of undergraduate study, the student will become a full-time, first-year graduate student at MTSO rather than returning to the Mount Union campus for a "senior" year.

Admission Requirements

Acceptance into the 3+2 Program with MTSO

- Prospective students must be accepted for admission to Mount Union before application to the 3+2 program.
- Current students must declare their intention to pursue the 3+2 program prior to earning 60 semester hours.
- The final deadline to apply to MTSO is February 1 of a student's anticipated final year at Mount Union. Please see application materials below.
- Two faculty members within the Arts & Humanities and a representative from the Registrar's.
- Office will review applications and forward approved applications to MTSO for its review. Notification date from MTSO to prospective student: April 1.
- MTSO Application materials:
    - A minimum cumulative GPA of 3.0 at Mount Union;
    - Official Mount Union transcript;
    - A written statement of 1,000-2,000 words explaining the applicant's vocational goals and rationale for seeking an MASJ degree through the 3+2 program;
    - Current resume or curriculum vita listing the applicant's work history, honors, and awards, etc.;
    - Recommendation letters: two academic and one professional letter on official letterhead, with form, sent directly to MTSO; and
    - The background check authorization.
- Mount Union students who are not enrolled in the 3+2 program will still be considered for admission into MTSO on a case-by-case basis.

Mount Union Requirements

- All students matriculating to MTSO under the 3+2 partnership program must have completed a minimum of 100 semester hours, at least 60 of which are in residency at Mount Union, including:
    - All Mount Union Integrated Core requirements;
    - All Mount Union undergraduate major requirements; and
    - All Mount Union undergraduate second major and/or minor requirements (as applicable).
    - At least 120 semester hours to graduate from Mount Union.
- It is recommended that students who wish to participate in the 3+2 program should declare a self-defined major in Social Justice & Diversity Studies. Students who do not pursue the self-defined coursework should seek advising from the Mount Union faculty contact for this agreement. The self-defined coursework recommendations are included as an addendum to this agreement. This coursework is a recommended curriculum and not a university-approved major. Students who choose to pursue a self-defined major must successfully complete the process outlined in the Undergraduate Catalog.
- All of the above semester credit hours and curricular requirements must be completed by the end of the student's junior year at Mount Union. The student must have a cumulative GPA of 3.0 or higher.
- Mount Union will accept up to 30 semester hours of coursework taken at MTSO. Only courses where students received a 2.0 or higher will transfer.
- A student's undergraduate GPA for degree-granting purposes at Mount Union will be the GPA at the end of the Mount Union phase of the undergraduate program; grades from MTSO are not transferable to Mount Union.
- If a student withdraws from MTSO for any reason whatsoever before completing the first year of coursework, the student must complete the undergraduate degree at Mount Union according to regular program requirements. Courses from MTSO in which the student earned a 2.0 or higher can be transferred to Mount Union.
-

Mount Union IDS: Social Justice & Diversity Studies Self-Defined Major Option

- Students matriculating to MTSO under the 3+2 partnership program have the option of creating a self-designed major while at Mount Union.
- The template for this degree is as follows:

IDS Departmental Courses		Semester Hours
IDS 200H	Why Forgive?	4
IDS 300V	Building Peace, Building Community	4
Two of the Following in Humanities or Social Sciences		
ENG 335	Literature & Human Rights	4
PSY 385	Psychology of Prejudice & Power	4
COM 386G	Public Advocacy for Social Justice	4

COM 378	Social Identity, Power, & Media	4
SOC 330G	Minority Group Relations	4

Research Methods

IDS 275	Interdisciplinary Modes of Inquiry	2-4

Experiential Learning Requirement with Integrative Portfolio (4 credit hours):

IDS 495	Independent Study
IDS 499	Internship
IDS 350	Social Responsibility
STA 099	Study abroad

Credits in one or more minor areas* 12-16

*These courses cannot count toward the University minor requirement as well.

Total 34-40

Courses at Methodist Theological School in Ohio – First Year MTSO / 4th Year UMU

UMU Courses		MTSO Courses	Semester Hours
IDS 399	The Educated Spirit	ES 500	4
IDS 399	Theories of Justice & Movements for Social Change	CE 562	4
IDS 399	Liberative Models of Educating and Organizing	PT 560	4
IDS 399	Non-Profit Administration/Leader or	LS 570	4
	Cross-Cultural Immersion	CC 612	4
IDS 399	Social Justice and the Law	CE 563	4
IDS 399	Interreligious Theologies	CT 560	4
IDS 399	Social Justice & Sacred Texts	HB/NT 550	4
Total			28*

*Courses completed at MTSO are graduate level courses awarded at 3 credit hours. For undergraduate transfer back to Mount Union, courses are awarded 4 undergraduate credit hours, deemed equivalent to 3 graduate credit hours.

Department of Literature and Communication Arts

The Department of Literature and Communication Arts plays a central role in the liberal education that prepares Mount Union students for fulfilling lives and successful careers in our ever-changing world. It is a world that has demanded insightful readers and powerful communicators in each new phase of its history going back thousands of years, even before the term "liberal arts" -- "skills of freedom" -- was invented.

Students in the department explore writing from the past and the present and all over the world because all of it helps us understand life, whether it be our lives as individuals or our nation's place in a global society. We celebrate the beauty and power of words, but we do not stop there. We see words as the basis for action. To become a liberally educated person is to become more than just "well-rounded." It is to internalize the habit of critical, flexible, compassionate thinking and thereby to become a more responsible agent in society. It is also to become a more eloquent and persuasive communicator, therefore a more effective agent in society.

English

The English major's focus on developing superior core skills of interpretation and communication prepares students for success in a huge range of professions. For example, apart from the well-known paths to teaching and various kinds of professional writing, the English major is also a traditional preparation for law school because of its emphasis on persuasion and the evaluation of verbal evidence. In fact, English is among a handful of majors that consistently place highest for scores on the national law school admissions test (LSAT). Given that a typical American now switches careers three or even five times, the flexible skill set of the English major is a major advantage in both traditional and emerging fields. In other words, the English department is built from the ground up to prepare 21st-century students for success in all three parts of the Mount Union credo: "fulfilling lives, meaningful work and responsible citizenship."

Requirements for a Major in English

One of the following Humanities Foundations courses		Semester Hours
ENG 150H	Introduction to Literature	4
ENG 165H	Popular Literature	4
Four courses in period, survey literature		
ENG 260H	The Making of British Literature	4
ENG 265H	The Rise of Modern British Literature	4
ENG 270H	The Making of American Literature	4
ENG 275H	The Rise of Modern American Literature	4
One course in global stories		
ENG 305G	Literature of Liberation	4
ENG 310G	Studies in World Literature	4
ENG 320G	Irish Literature and Culture	4
One course on diverse perspectives:		
ENG 315G	Studies in Multicultural American Literature	4
ENG 335V	Literature and Human Rights	4
ENG 345V	Gender, Sexuality, and Literature	4
One of the following courses on texts in performance:		
ENG 330V	Literature to Film	4
THE 230A	Shakespeare from Page to Stage	4
THE 305	Theatre History I	4
THE 330V	Theatre of Protest	4
One course on texts in practice:		
WRT 120A	Introduction to Creative Writing	4
WRT 200A	Fieldwork for Writers	4
WRT 320	Reading and Writing Poetry	4
WRT 321	Reading and Writing Fiction	4

WRT 322	Reading and Writing Creative Nonfiction	4
WRT 330	Special Topics	4

Two courses on careers & communities:

IDS 120	Careers in Arts and Humanities	2
ENG 450	Senior Project	2

Two elective courses:

ENG 325V	Young Adult Literature	4
ENG 400	Reading In-Depth	4
Any additional ENG courses from the above sections		4

Total 48

Requirements for the Minor in English

Required Courses		Semester Hours
ENG 150H	Introduction to Literature	4
or		
ENG 165H	Popular Literature	4
12 additional credits of ENG courses (not including ENG 450), at least 8 of which must be at the 200-level or above.		12

Total 20

Requirements for Honors in English

To receive honors in English, a student must meet all criteria for graduating with honors in a major.

Requirements for the Minor in Communication

A communication minor gives you the skills to connect with people, share your ideas clearly, and stand out in any career. You'll learn how to navigate conversations, present with confidence, and adapt to different audiences—from the workplace to social media to everyday life. Employers value strong communicators, and this minor helps you build the tools to collaborate, lead, and make your voice heard in any setting.

Required Courses
Take 16 credit hours, of which at least 12 of the following must be 200-level or above.

BUS 125	Business Communication	4
COM 101H	Principles of Public Speaking	4
COM 200G	Intercultural and Global Communication	4
COM 220S	Interpersonal Communication	4
COM 225S	Small Group and Team Communication	4
COM 227H	Persuasion and Argumentation	4
COM 325	Leadership and Team Communication	4
COM 380G	Gender, Sexuality and Communication	4
COM 386G	Public Advocacy for Social Justice	4
COM 440	Political Communication	4
MDA 254	Social Media Strategies	4
MDA 378G	Identity, Power, and the Media	4
PRN 150	Strategical Public Relations I	2
PRN 250	Strategical Public Relations II	2
PRN 271	Media Copywriting	4
PRN 310	Public Relations Writing	4
PRN 320V	Public Relations Cases	4

Total 16

Requirements for the Minor in Writing

A writing minor helps you stand out no matter what your major is. Strong writing skills make you more confident, more creative, and more persuasive—whether you're applying for internships, building your career, or just trying to get your ideas across. In this

program, you'll practice everything from storytelling and creative expression to professional communication, learning how to adapt your voice for any situation. It's not just about better papers—it's about gaining a skill set that employers value and that will serve you in every part of your life.

Required Courses
Take 16 credit hours, of which at least 8 of the following must be 200-level or above.

PRN 271	Media Copywriting	4
PRN 310	Public Relations Writing	4
WRT 101	Writing at Work	2
WRT 102	Inclusive Communication	2
WRT 110H	Introduction to Professional Writing	4
WRT 120A	Introduction to Creative Writing	4
WRT 200A	Fieldwork for Writers	4
WRT 210	Grant Writing	2
WRT 230H	Rhetorical Grammar	4
WRT 310V	Editing	4
WRT 311V	Publications Management	4
WRT 320	Reading and Writing Poetry	4
WRT 321	Reading and Writing Fiction	4
WRT 322	Reading and Writing Creative Nonfiction	4
WRT 330	Special Topics	4
Total		16

Major in Public Relations

Public Relations is about building relationships, shaping public understanding, and helping organizations communicate clearly, ethically, and effectively in a complex world. The Public Relations major prepares students to become strategic communicators, ethical decision-makers, and adaptable professionals who can succeed across industries—from business, nonprofit, and healthcare to media, sports, government, and social advocacy. Students learn how messages are created, delivered, received, and evaluated, and how communication choices can strengthen trust, manage risk, and drive meaningful change.

Requirements for the Major in Public Relations

Public Relations Core (16 credit hours)		Semester Hours
PRN 113	Event Planning	2
PRN 150	Strategic Public Relations I	2
PRN 250	Strategic Public Relations II	2
PRN 271	Media Copyrighting	4
or		
PRN 310 Public Relations Writing		4
PRN 320V	Public Relations Cases	4
PRN 455	Public Relations Campaigns	2
Communication and Messaging Core (14 credit hours)		
BUS 125	Business Communications	4
or		
WRT 110H	Professional Writing	4
COM 101H	Principles of Public Speaking	4
or		
COM 227H	Persuasion and Argumentation	4
MDA 254	Content Creation for Social Media	2
MKT 220	Marketing Principles	4
Ethics Core (4 credit hours)		
PHL 270V	Ethics or PHL 335V Business Ethics	4
Choose one Concentration (12 credit hours—cannot double count from core above)		
(1) Concentration in Communication:		
BUS 125	Business Communications	4
COM 101H	Principles of Public Speaking	4

COM 220S	Interpersonal Communication	4
COM 225S	Small Group and Organizational Communication	4
COM 227H	Persuasion and Argumentation	4
COM 200G	Global & Intercultural Communication	4
COM 325	Leadership & Team Communication	4
COM 386G	Public Advocacy for Social Justice	4
COM 440	Political Communication	4
PRN 271	Media Copyrighting	4
PRN 310	Public Relations Writing	4
WRT 110H	Professional Writing	4

(2) Concentration in Media:

MDA 132	Introduction to Media and Culture	2
MDA 102	Professional Presentations	2
MDA 155	Foundations of Sport Media	4
MDA 255	Sport Journalism in a Digital Age	4
MDA 256	Production Design	4
MDA 325	Digital Photography & Visual Storytelling	4
MDA 335	Digital Media, Law and Policy	4
MDA 372	Internet & Society	4
MDA 378G	Identity, Power, and the Media	4
MDA 397	Fan Engagement & Experience	4
MDA 425	Story Lab: Digital Journalism	2
MDA 430	Film Theory & Media Criticism	4
MDA 440	Money, Media, & Moguls	4
PRN 271	Media Copywriting	4

(3) Concentration in Public and Social Advocacy:

COM 200G	Global & Intercultural Communication	4
COM 386G	Public Advocacy for Social Justice	4
ENG 335V	Literature and Human Rights	4
IDS 200H	Why Forgive	4
IDS 300V	Building Community, Building Peace	4
IDS 350	Social Responsibility	4
PSJ 150H	Peacebuilding and Social Justice	4
PSJ/POL 170	Lobbying on Capitol Hill	2
REL 360G	Religious Conflict and Peacebuilding	4

Total 46

Department of Mathematics, Computer Science, and Data Science

Computer Science

The Department of Mathematics, Computer Science, and Data Science offers programs in Computer Science which give students a broad background in the fields of the discipline while maintaining harmony with the overall mission of the University. The Mission of the Computer Science program at the University of Mount Union is to prepare students to engage in meaningful work in the computing disciplines, adapt to today's rapidly-changing digital landscape, and use information technology in an effective and ethical manner.

Requirements for the Major in Computer Science

Required Courses		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 270	Computer Organization	4
CSC 310	Database Theory and Applications	4
CSC 320	Algorithms and Data Structures	4
CSC 360	Computer Networks	4
Either four additional four-credit CSC courses numbered 300 or higher, or three such courses and MTH 351		14-16
CSC 491	Software Engineering Fundamentals	2
CSC 492	The Practice of Software Engineering	2
MTH 123	Elementary Statistics	3
MTH 125	Discrete Mathematics	3
MTH 141	Calculus I	4
Total		52-54

Requirements for the Minor in Computer Science

Required Courses		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 270	Computer Organization	4
One of the following 4 credit hour course options:		
CSC 320	Algorithms and Data Structures	4
CSC 370	Operating Systems	4
Total		16

Requirements for the Major in Multi-Platform Software Development

Required Courses		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 310	Database Theory and Applications	4
CSC 360	Computer Networks	4
Three additional four-credit CSC courses numbered 300 or higher		12
CSC 491	Software Engineering Fundamentals	2
CSC 492	The Practice of Software Engineering	2
CSW 123	Introduction to Web Development	4
CSW 223	Programming for Interactive Media	4
CSW 423	Interaction Design	4
MTH 123	Elementary Statistics	3
MTH 125	Discrete Mathematics	3
Total		50

Requirements for the Minor in Database Management

Required Courses		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 310	Database Theory and Implementation	4
CSC 410	Web Database Programming	4
Total		16

Requirements for the Minor in Computer and Network Security

Required Courses		Semester Hours
CSC 260	Introduction to Information Security	4
One of the following introductory courses:		
CSC 112	Introduction to Computer Science	4
CSC 120	Programming and Problem Solving I	4
DSC 140S	Data Science Fundamentals	4
Any two (2) of the following 4 credit hour course options:		
CSC 360	Computer Networks	4
CSC 363	Web App Security	4
CSC 460	Network Security	4
Total		16

Requirements for the Minor in Web Design

Required Courses		Semester Hours
CSW 123	Introduction to Web Development	4
CSW 223	Programming for Interactive Media	4
CSW 423	Interaction Design	4
ART 260	Visual Web Design	4
Total		16

Requirements for the Concentration in Artificial Intelligence (CSC and MPSD Majors)

This optional concentration offers additional specialization in the field of artificial intelligence to students in the Computer Science or Multi-Platform Software Development majors. In addition to the University requirements for the Bachelor of Science in Computer Science or Multi-Platform Software Development, those pursuing the Concentration in Artificial Intelligence must complete the following requirements:

Required Courses (CSC and MPSD majors):		Semester Hours
DSC 140S	Data Science Fundamentals	4
DSC 250	Scientific Modeling and Data Analysis	4
DSC 340	Machine Learning and Neural Networks	4
DSC 345	Interpretability and Adv. Appls. of Neural Networks	2
MTH 142	Calculus II	4
MTH 322	Linear Algebra	3
CSC 285	Using AI in Software Development	2
CSC 480	Artificial Intelligence Foundations	4
CSC 482	Advanced Artificial Intelligence Systems	4
Additional Required Course (MPSD majors only):		
MTH 141	Calculus I	4
Additional 4 credits from (MPSD majors only):		
CSC 320	Algorithms and Data Structures	4
CSC 450	Theory of Computation	4
DSC 350	Data Mining	4
DSC 360	Big Data Analytics	4

Total (CSC major)	31
Total (MPSD major)	39

Summary of Majors and Minors Allowed in computing programs

1. A student with a major in Computer Science:
    - may not earn a minor in Computer Science
    - may not earn a minor in Database Management

2. A student with a major in Multi-Platform Software Development:
    - may not earn a minor in Computer Science
    - may not earn a minor in Database Management
    - may not earn a minor in Web Design

3. A student may not triple minor in Computer Science, Data Science and Analytics, and Artificial Intelligence

Data Science & Analytics

The ability to translate data into meaningful knowledge is an in-demand skill across an ever-widening spectrum of sectors and industries. The Data Science & Analytics program gives students the breadth and depth of theoretical knowledge and practical skills to generate actionable insights and facilitate critical and timely decision-making in a Big Data environment. Students will learn to articulate and answer empirical questions relevant to bodies of data by developing the skills necessary to: interface with structured and unstructured data; identify and implement appropriate methods to extract, analyze, and visualize relevant information from data; and develop and implement predictive models to simulate and analyze complex phenomena. The major provides students with the expertise necessary to pursue a wide variety of careers in the field; the minor is designed to provide practical and marketable training to students with diverse interests in the applied, social, natural, and health sciences. Students interested in data science & analytics are encouraged to speak with program faculty at the earliest opportunity.

Requirements for the Major in Data Science & Analytics

Required Courses:		Semester Hours
CSC 100	Introduction to Information Management	2
DSC 140S	Data Science Fundamentals	4
DSC 210	Data Visualization with Power BI	2
DSC 230	Advanced Data Visualization	2
DSC 250	Scientific Modeling and Data Analysis	4
DSC 340	Machine Learning and Neural Network Processing	4
DSC 350	Data Mining	4
DSC 360	Big Data Analytics	4
DSC 440	Data Science Practicum	2
MTH 123	Elementary Statistics	3
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 223	Intermediate Statistics	3
Choose 1 of the following:		
BUS 315	Ethical Issues in Business	2
BUS/PHL 335V	Business Ethics	4
Total		44-46

Requirements for the Concentration in Artificial Intelligence (DSC Major)

This optional concentration offers majors in data science additional specialization in the field of artificial intelligence. In addition to the University requirements for the Bachelor of Science in Data Science & Analytics, those pursuing the Concentration in Artificial Intelligence must complete the following requirements:

Required Courses:		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
CSC 285	Using AI in Software Development	2

CSC 310	Database Theory and Applications	4
CSC 480	Artificial Intelligence Foundations	4
CSC 482	Advanced Artificial Intelligence Systems	4
DSC 345	Interpretability and Advanced Applications of Neural Networks	2
MTH 322	Linear Algebra	3
Total		27

Requirements for the Minor in Data Science & Analytics

Required Course		Semester Hours
DSC 140S	Data Science Fundamentals	4
MTH 123	Elementary Statistics	3
Choose 4 hours from the following:		
DSC 210	Data Visualization with Power BI	2
DSC 230	Advanced Data Visualization	2
DSC 250	Scientific Modeling and Data Analysis	4
MTH 205	Intro to Probability and Statistics	2
Choose at least 7 hours from the following:		
CSC 100	Introduction to Information Management	2
BUS 122	Quantitative Methods for Business	4
CSC 220	Programming and Problem Solving II	4
COM 256	Information Design	4
CSC 310	Database Theory and Implementation	4
CSC 340	Machine Learning and Neural Network Processing	4
CSC 480	Artificial Intelligence	4
DSC 330	Data Acquisition and Analysis	4
DSC 350	Data Mining	4
DSC 360	Big Data Analytics	4
ENV 280	Geographical Information Systems	4
FIN 330	Financial Modeling	2
MTH 223	Intermediate Statistics	3
POL 351	Quantitative Political Analysis	4
PSY 222	Research Methods in the Psychological Sciences	4
SOC 365	Research Methods II	4
BUS 275	Introduction to Management Information Systems	2
BUS 496	Applied Strategy	2
Total		18

Data Science & Analytics and Master of Business Administration (4+1 Program)

The University of Mount Union offers an accelerated 4+1 program that combines a B.S. degree in Data Science and Analytics with a Master of Business Administration (MBA). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In their fourth year, students enroll in 9 credit hours of coursework that counts toward both their undergraduate and graduate degrees. Students transition into the graduate student role after earning their B.S. and can complete MBA requirements with an additional summer, fall, and winter term sequence of graduate work. This opportunity is for driven individuals to earn both degrees in five years, providing a unique opportunity for driven individuals to expedite their academic and professional development.

Admission Requirements

Students interested in the program must apply to enroll in graduate work during their third year of undergraduate study, usually before registration for the fall of their fourth year, but in no circumstances later than July 1 prior to their fourth year. The application consists of an undergraduate transcript, letter of recommendation from the Data Science and Analytics Program Coordinator, and a brief application letter. Interested students will schedule a meeting with the Director of the MBA program for specific instructions on how to prepare and submit their application.

Students permitted to enroll in graduate work during their fourth year are not automatically admitted to the MBA program. Students must officially apply to the MBA program during their fourth year.

Mathematics

Mathematics seeks to contribute to the achievement of the general objectives of Mount Union by providing instruction in mathematics as a major independent area of knowledge and by providing preparation for study in other disciplines, since mathematics is the language in which many of the ideas of the natural and social sciences are expressed. Mathematics offers experience in deductive reasoning, critical analysis and problem solving all of which prepares the student for immediate employment or for graduate study.

A major in mathematics will give students a substantial introduction to an immense area of interesting and useful ideas. It will equip them for careers in business, industry, government or education and will prepare them for graduate study.

Requirements for the Major in Mathematics

Required Mathematics Courses		Semester Hours
MTH 123	Elementary Statistics	3
MTH 141	Calculus I	4
MTH 142	Calculus II	4
MTH 241	Calculus III	4
MTH 301	Introduction to Advanced Math and Number Theory	3
MTH 362	Discrete Mathematics and Combinatorics	3
MTH 405	Mathematical Statistics I	3
MTH 411	Abstract Algebra	3
MTH 441	Advanced Calculus	3
MTH 460	Senior Culminating Experience	0
Required Extra-Departmental Course		
CSC 120	Programming and Problem Solving I	4
or		
DSC 140S*	Data Science Fundamentals	4

*Applied Math students should take DSC 140 as it will introduce students to Python which is used in DSC 250.

At least one of the following four tracks:

Applied Mathematics Track

MTH 223	Intermediate Statistics	3
MTH 335	Differential Equations	3
DSC 250	Scientific Modeling and Data	4

Mathematics Education Track

MTH 222	History of Mathematics	3
MTH 300	College Geometry	3
MTH 322	Linear Algebra	3

Pure Mathematics Track

MTH 322	Linear Algebra	3
MTH 335	Differential Equations	3
MTH 401	Topics in Pure Mathematics	3

Statistics Track

MTH 223	Intermediate Statistics	3
MTH 322	Linear Algebra	3
MTH 406	Mathematical Statistics II	3

Total		44

Requirements for the Minor in Mathematics

Required Courses		Semester Hours
MTH 141	Calculus I	4

MTH 142	Calculus II	4
One of the following:		
MTH 223	Intermediate Statistics	3
or		
MTH 241	Calculus III	4
One of the following:		
MTH 322	Linear Algebra	3
or		
MTH 335	Differential Equations	3
Total		14-15

*Articulation agreement students who have earned an associates' degree in engineering from an accredited two-year institution are only required to complete 6 of the 14-15 credits in the mathematics minor to count toward the graduation requirement, provided they successfully completed at calculus I, calculus II or intermediate statistics, and calculus III or linear algebra and differential equations.

Requirements for the Minor in Mathematics for Education

Required Courses		Semester Hours
MTH 123	Elementary Statistics	3
MTH 141	Calculus I	4
MTH 222	History of Mathematics	3
MTH 300	College Geometry	3
MTH 362	Discrete Mathematics	3
Total		16

The Society of Actuaries (www.soa.org) state, "Actuaries measure and manage risk. Actuaries have a deep understanding of mathematics, statistics, and business management. With this, they help businesses grow and provide value to their customers. Actuaries help leaders make strategic decisions and consumers prepare for their future."

"Actuaries are in demand. They work for, and with, businesses with a financial focus. Businesses including insurance-life, health, property-casualty, and pet insurance. Also, banking, investments, government, energy, e-commerce, marketing, employee benefits, product development, enterprise risk management, predictive analytics, consulting, and more."

For students interested in actuarial science, it is recommended that the student prepare for and take at least one, but ideally two actuarial exams administered by the Society of Actuaries prior to graduation from the University of Mount Union. The first two exams are "Exam FM: Financial Mathematics" and "Exam P: Probability".

While students must independently prepare for and take these exams, the University of Mount Union offers several courses that will help students in their exam preparation. Material relevant to Exam FM is covered in FIN 320 and ECN 315 and material relevant to Exam P is covered in MTH 405 and MTH 406. All four of these courses have prerequisites that will need to be completed prior to enrollment.

These exams will put students on a pathway to attain the Associate of the Society of Actuaries designation, which requires the passing of six examinations; however, while ideally the first two mentioned above should be passed prior to graduation, the remaining four can be passed after graduation, often even while employed. Many actuarial internships require at least one exam to be completed.

Requirements for Honors in Mathematics

For honors in mathematics, students may take any 200-level or above course that counts towards that major.

Requirements for the Minor in Artificial Intelligence

Foundational Programming (choose one sequence):		Semester Hours
CSC 120	Programming and Problem Solving I	4
CSC 220	Programming and Problem Solving II	4
or		
DSC 140S	Data Science Fundamentals	4
DSC 250	Scientific Modeling and Data Analysis	4

Core Artificial Intelligence:

DSC 340	Machine Learning and Neural Network Processing	4
CSC 480	Artificial Intelligence	4

Electives (Choose at least one):

CSC 320	Algorithms and Data Structures	4
CSC 450	Theory of Computation	4
MTH 125	Elementary Discrete Mathematics	3
MTH 223	Intermediate Statistics	3
MTH 322	Linear Algebra	3

Total 19-20

Students may apply at most 8 semester hours earned for the Minor in Artificial Intelligence toward other majors and minors at the institution. Students with overlapping majors and/or minors may take additional elective courses to satisfy the 20 semester hour requirement for the AI minor.

Mathematics Proficiency

A graduate of the University of Mount Union must demonstrate a proficiency in mathematics. In order to be deemed proficient in mathematics, a student must have developed the mathematical skills and concepts that are needed to reason quantitatively and to solve problems analytically. A student should be able to read newspapers, magazines, and other literature geared to the general public with a full understanding of graphs, data interpretation, percents, ratios, and the like.

A student proficient in mathematics will have a demonstrated aptitude in the general areas of arithmetic, algebra, geometry, and data analysis. These areas coincide with the areas of emphasis in the quantitative reasoning measure established by the Educational Testing Standards for the Graduate Record Exam.

All incoming students will be assigned a math placement level determined by their ACT math or SAT math scores. Students who have no ACT math or SAT math scores will take a math placement test. A student will be deemed proficient in mathematics if they either:

a. Earn a satisfactory math placement level, as determined by the Department of Mathematics, Computer Science, and Data Science, or
b. Receive credit for any one of the following courses: MTH 119 (Quantitative Literacy), MTH 123 (Elementary Statistics), MTH 125 (Elementary Discrete Math), MTH 140 (Precalculus), MTH 141 (Calculus I), or MTH 142 (Calculus II).

The Department of Mathematics, Computer Science, and Data Science offers proficiency examinations to allow students to meet graduation requirements and/or to be placed in higher level courses. These examinations demand more than an elementary acquaintance with course material. The student must have solid command of the concepts and problem-solving skills for the topic and therefore should attempt a proficiency examination only after proper study and preparation.

Students that have enrolled and received a grade for a course at the University of Mount Union where a proficiency examination exists cannot take the topic specific proficiency examination to meet requirements for understanding the course content. A topic specific proficiency examination can only be taken once.

Deadline for students to take the placement test is by the time designated by the relevant department each semester.

The deadline to take proficiencies in the Department of Mathematics, Computer Science, and Data Science is the Thursday of the first week of class.

Mathematics Placement

The math placement process will place the student into one of four levels. The following course sequences will be required to meet the mathematics proficiency component of general education for levels A, B, C, and D. Students placed into Level D will already have met the mathematics proficiency requirement.

Level A Students: Must complete one of the following options:

- MTH 119 (Quantitative Literacy)
- MTH 100 (Intermediate Algebra) and then one of the following:
  MTH 123 (Elementary Statistics)
  MTH 105 (College Algebra) and then MTH 125 (Elementary Discrete Math)
  MTH 105 (College Algebra) and then MTH 140 (Precalculus)

Level B Students: Must complete one of the following options:

- MTH 119 (Quantitative Literacy)
- MTH 123 (Elementary Statistics)
- MTH 105 (College Algebra) and then MTH 125 (Elementary Discrete Math)
- MTH 105 (College Algebra) and then MTH 140 (Precalculus)

Level C Students: Must complete any one of the following options:

- MTH 119 (Quantitative Literacy)
- MTH 123 (Elementary Statistics)
- MTH 125 (Elementary Discrete Math)
- MTH 140 (Precalculus)

Level D Students: May complete one of the following options:

- MTH 123 (Elementary Statistics)
- MTH 125 (Elementary Discrete Math)
- MTH 140 (Precalculus)
- MTH 141 (Calculus I)

School of Nursing

The University of Mount Union (UMU) offers three options for the BSN degree, the traditional or fast-track BSN options for prospective students who successfully finished high school; and the Post-Baccalaureate Accelerated BSN track for students who have a bachelor's degree (of any kind) in a discipline other than nursing. The BSN program pursues academic, clinical and professional excellence that will lead to a meaningful professional career. Nurses care for patients, families and communities and make up an indispensable component of our nation's healthcare delivery system.

Traditional Bachelor of Science Degree (BSN)

The traditional BSN program is designed for students who complete high school and are interested in earning a degree to pursue licensure as a registered nurse. The traditional track takes approximately four years to complete. Students who completed college course work to transfer, such as advanced placement or College Credit Plus (CCP) may be eligible to complete the program curriculum in less than four years through the fast-track option. Components of the curriculum are the same for both tracks and include, in addition to the nursing sequence of clinical and non-clinical courses, courses in the natural and social sciences, humanities, and liberal arts. Some courses fulfill more than one of the curricular requirements.

Admission to the direct-entry nursing program is on a rolling basis and will be competitive. Limited opportunity for spring semester enrollment may be available and will be handled on a case-by-case basis for any given term of study.

The application review process will include, but will not be limited to, a review of all coursework taken, grades achieved in each course, overall high school grade point average, and ACT or SAT test scores.

Admission requirements for the Traditional BSN Option, First-Time Students who are Completing or Have Recently Completed High School

Direct-entry: Priority consideration for direct-entry admission to the nursing program is based on the following criteria: Admission to the University of Mount Union and,

- A cumulative high school grade point average of 3.3 on a scale of 4.0 and,
- An ACT composite score of 23 (SAT 1130-1150) and,
- A sub score of 24 or higher on the Science Reasoning Portion of the ACT **or** grades of "B" or higher in high school lab-based biology and chemistry coursework.

Fast Track: To be eligible for the fast-track pathway, students must meet the direct-entry admission criteria and must transfer in an art (A), social science (S), or humanities (H) foundation course*. Applicants are strongly encouraged to place out of language requirement.

*May need additional credits to meet the 120-credit requirement for graduation. Transfer credits will be evaluated by the university registrar and Nursing Program Administrator/Designee.

Fast Track Nursing students must achieve the following progression requirements to be assured placement in the clinical nursing sequence for the summer semester (i.e. sophomore sequence): 1) a grade of "B" or higher and, 2) a cumulative GPA of 3.25 or higher in selected first year courses. These courses are:

- Anatomy & Physiology I with lab
- Anatomy & Physiology II with lab
- Foundations of Chemistry with lab
- Organic & Biochemistry for Nursing with lab
- Health Promotion Across the Lifespan
- Introduction to the Nursing Process

Provisional: Students who do not meet all criteria for direct admission will be provisionally admitted to the nursing major. Students who do not submit an ACT or SAT score will be provisionally admitted. First-year students provisionally accepted into nursing on admission will be required to register for NUR 100: Nursing Academic Readiness.

Directly admitted students (traditional or fast-track) who withdraw or fail BIO 210, BIO 211, CHE 110N, NUR 130, or NUR 190 will be ranked into the sophomore sequence as a provisionally admitted student.

Transfer students or UMU non-nursing students interested in changing their major to nursing will be reviewed on a case-by-case basis for any given term upon satisfactory review of the applicant academic record and space availability in the program.

There are mandatory health data, technical standards, and compliance requirements that must be completed prior to the start of clinical rotations.

Requirements for the Major in Nursing (BSN)

Required Courses		Semester Hours
NUR 130	Health Promotion Throughout the Lifespan	4
NUR 190	Intro to Nursing Process	2
NUR 240	Health Assessment & Physical Examination Across the Lifespan	4
NUR 260	Clinical Pharmacology	4
NUR 262	Basic Nutrition	2
NUR 290	Foundations of Nursing Practice	6
NUR 340	Nursing Care of the Childbearing Family and Newborn	4
NUR 350	Nursing Care of Children and Families	4
NUR 360	Nursing Care of Clients with Psychiatric Mental Health Conditions	4
NUR 370V*	Evidence-Based Practice in the Nursing Profession	4
NUR 380	Nursing Care of Adults I	6
NUR 390	Nursing Care of Adults II	6
NUR 420	Community Health Nursing	4
NUR 430	Leadership & Management	4
NUR 440	Nursing Care of Clients with Critical Health Conditions	6
NUR 481	Transition to Nursing Practice	2
NUR 480	Nursing Practicum	2
or		
NUR 499	Nursing Internship	2
Total		68

Required Extra-Departmental Courses		
BIO 200	Medical Microbiology with Lab	4
BIO 210	Anatomy and Physiology I with Lab	4
BIO 211	Anatomy and Physiology II with Lab	4
BIO 290	Pathophysiology	4
CHE 110N *	Foundations of Chemistry with Lab	4
MTH 123	Elementary Statistics	3

*This course meets a university integrative core (IC) requirement

Developmental Course		
NUR 100**	Nursing Academic Readiness	2

*This course meets an Integrative Core requirement.
**This course is required for first-year provisionally admitted nursing students to support academic success.

Direct entry nursing students must achieve the following progression requirements to be assured placement in the clinical nursing sequence for the sophomore year: 1) a grade of " C" or higher and, 2) a cumulative GPA of 2.75 or higher in selected first year courses. Provisionally admitted nursing students must achieve the same progression requirements and will be rank ordered for matriculation into the NUR 200 level courses.

These courses are:

- Anatomy & Physiology I with lab
- Anatomy & Physiology II with lab
- Foundations of Chemistry with lab
- Health Promotion Throughout the Lifespan
- Intro to Nursing

Post-Baccalaureate Accelerated BSN Degree

The Post-Baccalaureate Accelerated BSN option is for students who hold a baccalaureate degree in a discipline other than nursing. The Accelerated program option requires a successful completion of 70 credit hours.

Admission to the Post-Baccalaureate Accelerated BSN degree option:

1. Hold a Baccalaureate degree in a discipline other than nursing from a regionally accredited higher education institution and,
2. Complete the following courses or equivalent courses within the last five years*:

BIO 210	Anatomy & Physiology I with Lab
BIO 211	Anatomy & Physiology II with Lab
BIO 200	Medical Microbiology with Lab
CHE 110N	Foundations of Chemistry with Lab
MTH 123	Elementary Statistics

and

3. Earned a 2.75 or better in the following courses: BIO 200, BIO 210, BIO 211, CHE 110 and have earned a grade of "C" or higher in all courses above. PSY 225 will be accepted for NUR 130 and included in the cumulative GPA (BIO 200, BIO 210, BIO 211, CHE 110, AND PSY 225) if taken before admission to the program.

**Exceptions to the prerequisites timeframe of longer than five (5) years will be reviewed on a case-by-case basis by the Nursing Program Administrator/Designee.*

Note: There are mandatory health data, technical standards, and compliance requirements that must be completed prior to beginning clinical rotations.

Requirements for the Major in Nursing (Post-Baccalaureate Accelerated BSN)

Required Courses		Semester Hours
BIO 290	Pathophysiology	4
NUR 130	Health Promotion Throughout the Lifespan	4
NUR 190	Intro to Nursing Process	2
NUR 240	Health Assessment & Physical Examination Across the Lifespan	4
NUR 260	Clinical Pharmacology	4
NUR 262	Basic Nutrition	2
NUR 290	Foundations of Nursing Practice	6
NUR 340	Nursing Care of the Childbearing Family and Newborn	4
NUR 350	Nursing Care of Children and Families	4
NUR 360	Nursing Care of Adult Clients with Psychiatric Mental Health Conditions	4
NUR 370V	Evidence-Based Practice in the Nursing Profession	4
NUR 380	Nursing Care of Adults I	6
NUR 390	Nursing Care of Adults II	6
NUR 420	Community Health Nursing	4
NUR 430	Leadership & Management	4
NUR 440	Nursing Care of Clients with Critical Health Conditions	6
NUR 480	Nursing Practicum	2
NUR 481	Transition into Nursing Practice	2

Fast Track Traditional BSN Pathway

Students admitted to the University of Mount Union with an interest in the FastTrack Traditional BSN pathway in nursing, will be admitted directly (i.e., direct admit) as a nursing major. The admission criteria for the 36-month plan will remain the same as the admission criteria of the traditional nursing program (i.e., direct admit). In addition, applicants must transfer in a foundation course (see below). Transfer credits will be evaluated by the university registrar, and nursing chair/or designee. If all first-year curriculum requirements (i.e., freshman sequence) are satisfactorily met, students are assured placement in the clinical

nursing sequence for the summer semester. (i.e., sophomore sequence). The progression criteria are elevated for the FastTrack pathway.

Priority consideration for admission to the nursing program begins at the following academic levels:

1. Admission to the University of Mount Union and,
2. a cumulative high school grade point average of a B+ (3.3 on a scale of 4.0) and,
3. grades of "B" or higher in high school lab-based biology and chemistry coursework or a sub score of 24 or higher on the Science Reasoning Portion of the ACT and
4. an ACT composite score of 23 or higher
5. Must transfer in an A, S, or H Foundation Course

**May need additional credits to meet the 120 credit requirement for graduation. Transfer credits will be evaluated by nursing advisor and department chair/or designee.

Applicants demonstrating exceptional academic potential through alternative, but related academic indicators (e.g. rank in class, SAT score, dual credit or AP coursework etc.), may be considered on a case-by-case basis by the program faculty. Applicants are strongly encouraged to place out of language requirement.

Fast Track Nursing students must achieve the following conditions for progression to the nursing sequence in the second year (i.e., sophomore sequence) of the program: 1). a grade of "B" or higher and, 2). a cumulative GPA of 3.25 or higher in selected first year courses. These courses are:

- Anatomy & Physiology I with lab
- Anatomy & Physiology II with lab
- Foundations of Chemistry with lab
- Health Promotion Throughout the Lifespan
- Intro to Nursing Process

If a student does not achieve these benchmarks, they will be transitioned to the 4-year traditional plan. Likewise, if a student receives a C- or below in any nursing course (i.e., NUR Course) they will be transitioned to the 4-year traditional plan.

Department of Performing Arts

Music

The Music majors offer vital instruction and essential experiences for future professional musicians and also fulfills its role in the liberal arts curriculum. A highly-qualified faculty provides fine training for students who anticipate careers in music and provides instruction in topics such as music theory, music appreciation, performance, and music history for majors and non-majors alike. Course offerings allow all students to acquaint themselves with the rich musical heritage of the world and to develop a greater understanding of the aesthetic experience.

The University of Mount Union is an accredited institutional member of the National Association of Schools of Music. Music has been accredited by the NASM since 1935, and the requirements for entrance and graduation set forth in the Catalog are in accordance with the published regulations of that organization. For more information on the National Association of Schools of Music:

National Association of Schools of Music
11250 Roger Bacon Drive, Suite 21
Reston, Virginia 20190-5248
Phone: (703) 437-0700
Fax: (703) 437-6312
https://nasm.arts-accredit.org
info@arts-accredit.org

Admission Requirements

Admission to the music degree programs is highly selective. The following outlines the admission requirements for the music degree programs.

Admission Requirements:

- Apply and be admitted to the University of Mount Union
- Indicate a music degree program as a first academic interest on the application for admission
- Complete the separate application for admission into the music degree programs, which includes the following:
    - A description of your musical experiences including ensembles, private music lessons, and related musical activities
    - Your order of preference for an on-campus audition date
    - Repertoire you will perform at your on-site audition (must fulfil departmental repertoire requirements)
- Complete an on-site audition, including:
    - Audition for the music faculty on your main instrument - should be comprised of the repertoire you indicated on your application for admission into the music degrees above. Auditioning students will present a printed list of repertoire in person to the faculty hearing the audition. Auditioning students are encouraged to bring their own accompanist to the audition; if that is not possible, the department will provide an accompanist upon request (you must give four weeks' notice and provide the musical score to the department no later than three weeks before audition date).
    - Participate in an interview with the music faculty regarding musical and academic experience and goals.

Following the application process to the music degree programs, student may be:

- Admitted or
- Admitted on a conditional basis* or
- Not admitted**

*Students admitted conditionally will be provided with a list of musical aspects that must be improved in order for conditional status to be removed; the music faculty will consider the work of these students at the end of the first semester by evaluating their performance at the jury on their primary instrument and their performance in MUS prefix coursework. Students may be admitted conditionally in case of long-distance auditions. These students must complete the music theory, musicianship, and piano proficiency diagnostic tests by the end of the first week of their first semester in the major in order for conditional status to be removed.

**Students admitted to the University of Mount Union who are not admitted to the music degree programs may choose another major or reapply for the music degree program admission during the following academic year.

Note: The admission process described above applies to transfer students and current University of Mount Union students who wish to change their major to one in a music degree program.

Curricula Offered

Mount Union offers two degrees in music: Bachelor of Music with a major in Music Education (a professional degree) and Bachelor of Arts with a Major in Music (a liberal arts degree). Flexibility in curriculum choice and variety allows students to prepare for graduate work in music or for professional work in music education. Each degree program serves a specific role for our students. The philosophy and focus of each degree is given below:

Bachelor of Music with a Major in Music Education

As a professional degree in music education (as defined by the National Association of Schools of Music), the Music Education program is focused on developing skills in musicianship and performance, as well as conducting, rehearsing small and large vocal, instrumental, and mixed ensembles, and teaching general music classes, pre-K through grade 12. Our focus in this degree program is to help students to become well-qualified teachers, not only by training them for their first job, but also by equipping them with skills for life-long learning.

Successful completion of the Bachelor of Music with a Major in Music Education and all guidelines of the University's Teacher Education Program, including passing all state licensure exams (among other requirements), may lead to a P-12 Multi-Age License in Music in the State of Ohio.

Requirements for the Bachelor of Music Degree with a Major in Music Education

Required Music Courses		Semester Hours
MUS 101	Vocal Techniques	1
MUS 110	Music Theory I	3
MUS 112	Music Theory II	3
MUS 113	Musicianship Skills I	2
MUS 141	Brass Instruments	1
MUS 143	Piano Class I	1
MUS 144	Piano Class II	1
MUS 150	Introduction to Music Education	4
MUS 201	History and Analysis of Western Music I	4
MUS 202A	History and Analysis of Western Music II	4
MUS 210	Music Theory III	3
MUS 211	Musicianship Skills II	2
MUS 213	Musicianship Skills III	2
MUS 240	Stringed Instruments	1
MUS 242	Woodwind Instruments	1
MUS 243	Piano Class III	1
MUS 244	Piano Class IV	1
MUS 245	Percussion Instruments	1
MUS 310	Orchestration and Arranging	2
MUS 320	Choral Conducting and Literature	3
MUS 321	Instrumental Conducting and Literature	3
MUS 330	Music Methods: Early Childhood	3
MUS 331	Music Methods: Middle Childhood and Adolescence to Young Adult	3
MUS 341	Music Education Practicum I	1
MUS 342	Music Education Practicum II	1
MUS 343	Music Education Practicum III	1
MUS 344	Music Education Practicum IV	1
MUS 352G	World Music and Ethnographic Music Study	4
MUS 406	Student Concert Attendance	0
MUS 410	Music Technology for the Music Educator	2
MUS 430	Music Methods: Instrumental	3
MUS 435	Preclinical – Music Education	4
MUS 438	Clinical Practice	12

Any One from the Following Music Courses for Seven Semesters:
(Except for the semester of Clinical Practice)

MUS 260	Concert Choir	1
MUS 261	Mount Union Alliance Chorale	.5
MUS 262	Cantus	1
MUS 266	Symphony Orchestra: Strings	1
MUS 267	Marching Band	1.5
MUS 268	Wind Ensemble	1
MUS 269	Concert Band	.5

All music education majors must register for and successfully complete one semester of Fall Band.

Any one from the Following Music Courses for Two Semesters:

MUS 361	Accompanying	.5
MUS 362	Master Chorale	.5
MUS 363	Beginning Guitar	.5
MUS 364	Guitar Ensemble	.5
MUS 366	Student Musical	.5
MUS 367	String Chamber Ensemble	.5
MUS 368	Flute Ensemble	.5
MUS 369	Woodwind Ensemble	.5
MUS 370	Clarinet Ensemble	.5
MUS 371	Saxophone Ensemble	.5
MUS 372	Woodwind Quintet	.5
MUS 373	Trumpet Ensemble	.5
MUS 376	Brass Quintet	.5
MUS 377	Brass Ensemble	.5
MUS 378	Percussion Ensemble	.5
MUS 379	Handbell Choir	.5
MUS 380	Jazz Band	.5
MUS 381	Collegium Musicum	.5
MUS 382	Raider Steel Band	.5

Any One from the Following Music Courses for Applied Lessons for Instrumental or Vocal Majors (3.5 hours)

MUS 460	Piano	0.5-1
MUS 461	Organ	0.5-1
MUS 462	Harpsichord	0.5-1
MUS 463	Voice	0.5-1
MUS 464	Violin	0.5-1
MUS 465	Viola	0.5-1
MUS 466	Violoncello	0.5-1
MUS 467	String Bass	0.5-1
MUS 468	Electric Bass	0.5-1
MUS 469	Guitar	0.5-1
MUS 470	Harp	0.5-1
MUS 471	Flute	0.5-1
MUS 472	Oboe	0.5-1
MUS 473	Clarinet	0.5-1
MUS 474	Saxophone	0.5-1
MUS 475	Bassoon	0.5-1
MUS 476	Trumpet	0.5-1
MUS 477	French Horn	0.5-1
MUS 478	Euphonium	0.5-1
MUS 479	Trombone	0.5-1
MUS 480	Tuba	0.5-1
MUS 481	Percussion	0.5-1

Required Education Courses:

EDU 150	Intro. To Teaching Profession	4
EDU 150LAB	Intro. To Teaching Profession Lab	0
EDU 355	Content Area Literacy	4
or		
MCH 345	Content Area Literacy in Middle School	4

Total	95.5–99.5 MUS and EDU Courses

One hour of the applied major should be taken each semester (for a total of seven) with the exception of the semester of Clinical Practice.

Proficiency requirements in keyboard must be met before the student may register for MUS 438 (Clinical Practice).

Candidates seeking a teaching license in music must earn a grade of "C" or better in all professional music education courses. If a minimum grade of "C" is not earned, candidates are required to retake the course until a grade of "C" is earned. Professional music education courses include MUS 330, MUS 331, MUS 430 and MUS 438.

10 concerts must be attended each semester, except for the semester of clinical practice for a passing grade in Student Concert Attendance (MUS 406). Seven semesters of a passing grade are required for graduation. Students that do not meet a semester requirement can petition for an incomplete and make-up the concert attendance requirement between semesters or during the following semester.

Bachelor of Arts with a Major in Music

As a liberal arts degree, Bachelor of Arts with a Major in Music allows the student to hone skills in musicianship, to focus on a primary performance area, to gain keyboard competency, and to acquire a solid grounding in theory and music history; however, this degree program allows students to complete a significant amount of coursework in another academic discipline. Students in this degree program also have room in their required 120 hours for additional electives, including the opportunity to complete a concentration in Music Composition or Music Performance. By combining study in music with significant amounts of study in one or more other academic disciplines, the Bachelor of Arts allows students to integrate their work in creative ways that may lead directly to employment or graduate study in music or another related area.

Requirements for the Bachelor of Arts Degree with a Major in Music

Required Music Courses:		Semester Hours
MUS 101	Vocal Techniques	1
MUS 110	Music Theory I	3
MUS 112	Music Theory II	3
MUS 113	Musicianship Skills I	2
MUS 143	Piano Class I	1
MUS 144	Piano Class II	1
MUS 201	History and Analysis of Western Music I	4
MUS 202A	History and Analysis of Western Music II	4
MUS 210	Music Theory III	3
MUS 211	Musicianship Skills II	2
MUS 213	Musicianship Skills III	2
MUS 406	Student Concert Attendance	0
MUS 487	Senior Project	3
Any One from the Following Music Courses for Six Semesters		
MUS 260	Concert Choir	1
MUS 261	Mount Union Alliance Chorale	.5
MUS 262	Cantus	1
MUS 266	Symphony Orchestra: Strings	1
MUS 267	Marching Band	1.5
MUS 268	Wind Ensemble	1
MUS 269	Concert Band	.5
Any from the Following Music Courses for a Total of Two Semesters:		
MUS 361	Accompanying	.5
MUS 362	Master Chorale	.5
MUS 363	Beginning Guitar	.5
MUS 364	Guitar Ensemble	.5
MUS 366	Student Musical	.5
MUS 367	String Chamber Ensemble	.5
MUS 368	Flute Ensemble	.5
MUS 369	Woodwind Ensemble	.5
MUS 370	Clarinet Ensemble	.5
MUS 371	Saxophone Ensemble	.5
MUS 372	Woodwind Quintet	.5
MUS 373	Trumpet Ensemble	.5

MUS 376	Brass Quintet	.5
MUS 377	Brass Ensemble	.5
MUS 378	Percussion Ensemble	.5
MUS 379	Handbell Choir	.5
MUS 380	Jazz Band	.5
MUS 381	Collegium Musicum	.5
MUS 382	Raider Steel Band	.5

Any One from the Following Music Courses as an Applied Major (3 hours):

MUS 460	Piano	0.5-1
MUS 461	Organ	0.5-1
MUS 462	Harpsichord	0.5-1
MUS 463	Voice	0.5-1
MUS 464	Violin	0.5-1
MUS 465	Viola	0.5-1
MUS 466	Violoncello	0.5-1
MUS 467	String Bass	0.5-1
MUS 468	Electric Bass	0.5-1
MUS 469	Guitar	0.5-1
MUS 470	Harp	0.5-1
MUS 471	Flute	0.5-1
MUS 472	Oboe	0.5-1
MUS 473	Clarinet	0.5-1
MUS 474	Saxophone	0.5-1
MUS 475	Bassoon	0.5-1
MUS 476	Trumpet	0.5-1
MUS 477	French Horn	0.5-1
MUS 478	Euphonium	0.5-1
MUS 479	Trombone	0.5-1
MUS 480	Tuba	0.5-1
MUS 481	Percussion	0.5-1

Total	36-41 from MUS courses, 16-20 from another Academic Department (to complete the Academic Minor)

Completion of an Academic Minor (16-20 cr.) is required for the Bachelor of Arts with a Major in Music. Proficiency Requirements in keyboard must be met before the student may register for the eighth semester.

10 concerts must be attended each semester for a passing grade in Student Concert Attendance (MUS 406). Eight semesters of a passing grade are required for graduation. Students that do not meet a semester requirement can petition for an incomplete and make-up the concert attendance requirement between semesters or during the following semester.

Requirements for the Bachelor of Arts Concentration in Music Composition

This concentration is for students interested in Performance training on an instrument or voice, cultivating an understanding of the practical challenges faced by individual performances of the composer's works, performance training in large and small ensembles, cultivating an understanding of the practical challenges faced by conductors and performers of the composer's works in group settings, self-promotion and entrepreneurship, basic music technological proficiency, and the ability to conduct and orchestrate one's own compositions.

In addition to University requirements for the Bachelor of Arts in Music, those pursuing the Concentration in Music Composition must complete the following courses:

Required Courses		Semester Hours
ENT 150	Introduction to Entrepreneurship	4
MUS 243	Piano Class III	1
MUS 314	Music Technology for the Performing Musician	4
MUS 310	Orchestration and Arranging	2
MUS 482	Applied Composition and Analysis	10

Choose from one the following courses:

MUS 320	Choral Conducting and Literature	3

MUS 321	Instrumental Conducting and Literature	3
Total		24

Requirements for the Bachelor of Arts Concentration in Music Performance

This concentration is for students interested in performance training in stylistic or instrumental diversity, self-promotion and entrepreneurship, basic music technological proficiency, and the ability to conduct or arrange one's performing music.

In addition to all University requirements for the Bachelor of Arts in Music, those pursuing the Concentration in Music Performance must complete the following courses:

Required Courses		Semester Hours
ENT 150	Introduction to Entrepreneurship	4
MUS 314	Music Technology for the Performing Musician	4
Additional Applied Lesson Credits		
Applied Lesson Primary Area		1
Applied Lesson Secondary Area		2
Additional Ensemble Credits (2 Semesters)		
Large Ensemble		1-3
Choose one from the following courses:		
MUS 310	Orchestration and Arranging	2
MUS 320	Choral Conducting and Literature	3
MUS 321	Instrumental Conducting and Literature	3
Total		16-21

Requirements for the Minor in Music

Required Courses		Semester Hours
MUS 200A	Music, the Arts, and Culture	4
MUS 101	Vocal Techniques	1
MUS 110	Music Theory I	3
MUS 112	Music Theory II	3
MUS 113	Musicianship Skills I	2
MUS 143	Piano Class I	1

Each semester a student is enrolled in courses counting towards the music minor 5 concerts must be attended for a passing grade in Student Concert Attendance (MUS 406). Students that do not meet a semester requirement can petition for an incomplete and make-up the concert attendance requirement between semesters or during the following semester.

Any from the Following Music Courses for Two Semesters:		
MUS 260	Concert Choir	1
MUS 261	Mount Union Alliance Chorale	.5
MUS 262	Cantus	1
MUS 266	Symphony Orchestra: Strings	1
MUS 267	Marching Band	1.5
MUS 268	Wind Ensemble	1
MUS 269	Concert Band	.5
Any One from the Following Applied Music Courses (two hours):		
MUS 460	Piano	0.5
MUS 461	Organ	0.5
MUS 462	Harpsichord	0.5
MUS 463	Voice	0.5
MUS 464	Violin	0.5
MUS 465	Viola	0.5
MUS 466	Violoncello	0.5
MUS 467	String Bass	0.5
MUS 468	Electric Bass	0.5
MUS 469	Guitar	0.5
MUS 470	Harp	0.5

MUS 471	Flute	0.5
MUS 472	Oboe	0.5
MUS 473	Clarinet	0.5
MUS 474	Saxophone	0.5
MUS 475	Bassoon	0.5
MUS 476	Trumpet	0.5
MUS 477	French Horn	0.5
MUS 478	Euphonium	0.5
MUS 479	Trombone	0.5
MUS 480	Tuba	0.5
MUS 481	Percussion	0.5
Total		14-16 credits (depending on major ensembles and primary performance area)

*Students for whom piano is their major performing area need to take two semesters hours (total) of applied piano (MUS 460).

Requirements for Honors in Music

The requirements for graduation with honors in music are:

- a grade point average of at least 3.5 in music at graduation
- completion of at least three courses in music for honors credit for a total of at least 12 semester hours; the courses must be numbered 200, 300, or 400; honors in these courses will be earned with the approval of the instructor and the music faculty; additional requirements for honors may include a series of oral reports, a bibliographic paper, or a music performance or research project; superior quality work is required throughout these courses and may be an honors thesis/project (MUS 494) of three to six hours credit.

Departmental Regulations

Students in the Bachelor of Music in Music Education program are required to attend 15 recitals and concerts per semester except for the semester of clinical practice. All students in the B.A. music degree with a major in music must attend 10 recitals or concerts per semester. Music minors must attend five recitals or concerts per semester. The specific distribution of recitals and concerts is posted at the Visual and Performing Arts Office near the beginning of each semester.

First year Music and Music Education majors are required to perform a solo in a Student Showcase or other departmental public recitals once each academic year. Sophomore, junior and senior music majors are required to perform a solo in a student recital each semester of applied music major lessons.

Any student enrolled in the Department of Music must have prior approval of the applied instructor and notify the department chair of such approval before making a public appearance as a music performer.

Students preparing public recitals, other than general student recitals, must perform for the music faculty approximately one month prior to the recital date. Final permission for public appearance is contingent upon faculty approval at this hearing.

Accompanists must be approved by the keyboard faculty four weeks before a scheduled appearance.

Student-composed works must be produced under the guidance of a qualified University of Mount Union faculty member. Compositional study should be undertaken the semester before the proposed performance.

Music education majors are required to participate in one of the large ensembles in their major performance area each semester except when completing clinical practice. Instrumental majors are additionally required to participate in a large choral ensemble for a minimum of two semesters. All music education majors must register for and successfully complete one semester of MUS 267 Marching Band. Vocal majors are additionally required to participate in a large instrumental ensemble for a minimum of two semesters. These ensembles are MUS 260, 261, 262, 266, 267, 268, or 269. Students are strongly advised to participate in at least one semester of the opposite area ensemble before the conducting sequence (MUS 320 and MUS 321) is begun.

Candidates for the Bachelor of Arts degree, with a major in music, must take the Integrative Core fine arts courses from a department other than music.

Advanced standing in music theory may be granted to students who pass examinations proving they have completed work equivalent to that required by the course. Written consent of the department chair is necessary for the examination to be given. Success in the examination affects only the theory requirement and does not diminish the number of hours necessary for graduation.

Music education majors are required to fulfill the policies for the Teacher Education Program. More information can be found in the School of Education section of this Catalog.

All freshmen considering music as a major will be enrolled in an identical music schedule (except for applied major and minor areas) for the first semester.

The *Music Student Handbook* outlining all policies and programs pertaining to the music major and minor and private music lessons is available on the University of Mount Union website and is to be considered an extension of this Catalog.

Candidates for the degrees of Bachelor of Music are eligible to complete only one major.

Students majoring in music programs will complete Gates A and B, generally at the end of the first year and second year, respectively. These Gates serve as an opportunity for the music faculty to check for appropriate progress in a student's music major curriculum. The process, possible outcomes, and the appeals process for results of Gates A and B are described in the *Music Student Handbook*, which constitutes an extension of the policies in this Catalog.

Theatre

The theatre major and minor are administered through the Department of Performing Arts. The department seeks to integrate the strengths of the liberal arts tradition with the career preparation skills necessary to graduates in the field of theatre. The program of study is designed to prepare students who are technically proficient as well as being knowledgeable and conversant in the theory, history, literature and criticism of their discipline.

The theatre major is structured to provide students with a broad foundation in all areas of theatre as preparation for graduate study or careers in professional theatre. All students complete a common core of classes and then choose to emphasize either the performance or production aspects of theatre by completing one of three tracks: Design Technical, Musical Theatre, or Performance. Theatre electives are available to all students.

Admission Requirements

Admission to the Theatre degree program requires an audition or portfolio review.

Theatre auditions/portfolio reviews serve two purposes:

1. **Direct Entry Admission:** For students who wish to major in theatre and are applying for direct-admission, auditions are a required part of the process as they are an evaluation of skill and potential for success.
2. **Theatre Scholarship Award:** Visual and Performing Arts Scholarships are available to students who demonstrate exceptional talent in theatre. Scholarship awards are offered to theatre and non-theatre majors who have been admitted to the University. There is also a blended scholarship available for students double majoring in both theatre and music. Visit our website to view the blended theatre/music audition form.

The following outlines the admission requirement for the theatre degree programs:

- Apply and be admitted to the University of Mount Union
- Indicate a theatre degree program as a first or second academic interest on the application for admission.
- Arrange for an audition or portfolio review:

  Performance Auditions: Prospective students will present two prepared pieces which contrast each other in style or genre. Musical theatre performers should include a song from Musical Theatre as one of the prepared pieces. An accompanist will be provided.

  Portfolio Reviews: Prospective students will present a portfolio of work completed as a designer, stage manager, and/or theatre technician. Process photographs and items such as prompt books, renderings, programs, and reviews are preferred.

  All prospective students will participate in an interview with the theatre faculty and, if appropriate, members of the music faculty regarding theatrical and academic experience and goals.

Following the application process to the theatre degree program, a student may be admitted or admitted on a conditional basis. Students admitted conditionally will be provided with a list of areas of focus that must be improved in order for provisional status to be removed. The theatre faculty will consider the work of these students at the end of the first semester by evaluating their performance in THE coursework, auditions, or work in support of departmental productions. If after two semesters the theatre faculty is unable to see significant improvement, the student will be encouraged to minor in theatre.

Requirements for the Major in Theatre

Required Theatre Courses		Semester Hours
THE 150	Acting I	4
THE 200A	People, Society, and Theatre	4
THE 285	Theatre Practicum (3 credits total)	3
THE 305	Theatre History I	4
THE 360	Directing for the Stage	4
THE 420	Senior Culminating Experience	2

Total		21

In addition to the above required courses, all theatre majors must choose one of the following three concentrations to complete the major:

Design/Technical Concentration

THE 141	Lighting Craft	2
THE 142	Stage Craft	2
THE 143	Costume Technology	2
THE 144	Stage Make Up	2
THE 240	Theatre Management	4
THE 341	Lighting Design	4
THE 342	Scene Design	4
THE 343	Costume Design	4

Departmental requirements	45

Required Extra-Departmental Courses for the Design/Technical Concentration include:

Art 110	Drawing I	3

Total for the Theatre Major Design/Technical Concentration	48

Musical Theatre Concentration

THE 121/221 (6 Semesters Total, including at least 2 semester hours of THE 221)	Dance Fundamentals	6
THE 205A	History of the American Musical Theatre	4
THE 255	Voice and Movement for the Actor	4
THE 256	Improvisation	4
THE 365	Musical Theatre Workshop (3 Semesters Total)	3

Two from among the following:

THE 141	Lighting Craft	2
THE 142	Stage Craft	2
THE 143	Costume Technology	2
THE 144	Stage Make Up	2

One of the following:

THE 341	Lighting Design	4
THE 342	Scene Design	4
THE 343	Costume Design	4

Departmental requirements	50

Required Extra-Departmental Courses for the Musical Theatre Concentration include:

MUS 463	Applied Voice (6 Semesters Total)	3

Total for the Theatre Major Musical Theatre Concentration	53

Performance Concentration

THE 121 Dance Fundamentals (4 semesters)		4
THE 240	Theatre Management	4
THE 221	Intermediate Dance	1
THE 255	Voice and Movement for the Actor	4
THE 256	Improvisation	4
THE 350	Acting II	4

Two from among the following:		
THE 141	Lighting Craft	2
THE 142	Stage Craft	2
THE 143	Costume Technology	2
THE 144	Stage Make Up	2
Departmental requirements		46

Required Extra-Departmental Courses for the Performance Concentration include:

MUS 463	Applied Voice (2 Semesters Total)	1
Total for the Theatre Major Performance Concentration		47

In addition to the major requirements, students are encouraged to enroll in courses in art, history, philosophy, psychology, sociology and literature. These selections are made in consultation with the student's advisor and generally reflect the student's career interests. As an adjunct to their career preparation, students are strongly encouraged to actively participate in Mount Union Players, the theatre production organization and any large vocal ensemble from the Department of Music.

Requirements for the Minor in Theatre

Required Theatre courses		Semester Hours
THE 150	Beginning Acting I	4
THE 200A	People, Society, and Theatre	4
THE 285	Theatre Practicum (1 credit total)	1
One from among the following:		
THE 205A	History of the American Musical Theatre	4
THE 305	Theatre History I	4
Two from among the following:		
THE 141	Lighting Craft	2
THE 142	Stage Craft	2
THE 143	Costume Technology	2
THE 144	Stage Make Up	2
Total		17

Internship Programs in Theatre

Majors in theatre whose career interests lie in professional theatre are urged to participate in the departmental internship program. Internships provide students with professional field experience in their chosen area and are open to qualified juniors and seniors by application. Students planning internships should consult with their advisors during the academic year preceding their internship experience.

Requirements for Honors in Theatre

Students are eligible to enter the Honors Program in theatre if they have at least a 3.5 grade point average in the major or permission of the Honor Review Board. To receive honors in Theatre, a student must have at least a 3.5 grade point average in the major at graduation and honors credit in courses that total a minimum of 16 semester hours. One of the courses may be TH 494 Honors Thesis/Project. For permission to register for an honors thesis/project, a completed Honors Application and Registration Form must be filed with the director of Honors Programs by the end of the twelfth week of classes of the semester prior to doing the thesis. Students must earn at least a "B+" in the course to earn honors credit.

For permission to register for a course with honors in the major, a completed Application and Registration Form must be filed with the director of Honors Programs by the end of the third week of classes of the semester in which the course is taken. Students must earn at least a "B+" in the course to earn honors credit.

Department of Psychology, Neuroscience, and Human Development

The mission of the Department of Psychology, Neuroscience and Human Development is to develop and maintain an academic curriculum and co-curricular activities that help students acquire a broad base of knowledge in psychology, neuroscience and human development, acquire the intellectual and communication skills necessary to participate in these fields as scientists and practitioners, and develop characteristics that encourage personal fulfillment, meaningful work, and responsible citizenship.

The three different areas of study within the department are psychology, neuroscience, and human development and family science. These three areas of study are designed with specific coursework to help students pursue their career goals and gain hands-on experience needed to become professionals in the working world. Courses in these three areas are offered within the Integrative Core so students can take classes while completing credits for their major.

Human Development and Family Science

Human Development and Family Science is an interdisciplinary major/minor that focuses on the study of human development from a systems perspective, examining the dynamic transaction of human life and the environment. The goal of both the major and minor is to help students acquire a comprehensive core of knowledge and understanding of human development across the lifespan, the development and dynamics of couple and family relationships, and the impact of family, community, society, and culture on individual development and family life. With an emphasis in theory, research, and application, a major/minor in Human Development and Family Science prepares students for graduate study and meaningful work in a variety of human-related fields.

All HDFS majors will take 44 semester hours: 28 required hours, and 16 distribution hours selected from three categories. Completion of the major and all other University requirements results in a Bachelor of Science degree with a major in Human Development and Family Science. Students majoring in Psychology, Neuroscience, and/or Sociology may not major in HDFS. Students majoring in HDFS may minor in Sociology; however, they may only overlap and count SOC 110S and SOC 310 toward the minor. Students would not be able to count any other SOC courses taken for the HDFS major toward the Sociology minor.

Requirements for the Major in Human Development and Family Science

Required Core Courses		Semester Hours
PSY 110S	The Psychological Sciences	4
SOC 100S	Introduction to Sociology	4
PSY 225	Lifespan Development	4
SOC 310	American Families	4

Complete a two course series in research and statistical methods from the following

PSY 120	Careers in Psychology, Neuroscience, and Human Dev.	2
PSY 222	Research Methods in the Psychological Sciences	4
or		
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4

Students SCE course(s) will be determined by the research and statistical methods track chosen above. Students will consult with their advisor to determine which choice is appropriate.

PSY 400	Senior Projects 1	4
PSY 405	Senior Projects 2	2
or		
SOC 490	Senior Culminating Experience	4

Core Distribution Courses (16 hours)
Human Development

CRJ 340	Victimology	4
SOC 205	Juvenile Delinquency	4
PSY 215	Child and Adolescent Development	4
PSY 220	Adulthood and Aging	4

PSY 240	Abnormal Psychology	4
PSY 290	Introduction to Autism Spectrum Disorders	4
PSY 310	Child and Adolescent Psychopathology	4
PSY 345	Human Sexual Behavior	4
PSY 380G	Psychology of Gender	4
Family Development		
SOC 220	The Many Faces of Poverty	4
SOC 225	Family Violence	4
PSY 330	Drugs and Behavior	4
PSY 390	Introduction to Marriage and Family Therapy	4
Society and Culture		
SOC 200	Contemporary Social Issues	4
SOC 215	Drugs and Society	4
SOC 270	Urban Sociology	4
SOC 330G	Minority Group Relations	4
PSY 210	Educational Psychology	4
PSY 235	Social Psychology	4
PSY 280G	Global Health Psychology	4
PSY 325G	Cultural Psychology and Neuroscience	4
Total		44

*Students must select one course from each of the three core distribution sections along with one elective course from any of the core distribution course options. Of those four courses, two must be from the Department of Psychology, Neuroscience, and Human Development and two must be from the fields of Sociology and Criminal Justice. One of the four core distribution courses must be at the 300-400 level.

Internship Option

Students majoring in Human Development and Family Science will have the option of gaining real-world experience with an optional internship course. Students will be placed in a work setting and work one-on-one with a site supervisor as well as faculty. While this is optional, it is highly recommended as part of the student's overall curriculum.

PSY 499	Psychology Internship	1 - 16
or		
SOC 499	Field Work Internship	1 - 16

Requirements for the Minor in Human Development and Family Science

Required Courses		Semester Hours
PSY 110S	Introduction to Psychological Science	4
SOC 100S	Introduction to Sociology	4
Required Core Option		
PSY 225	Lifespan Development	4
or		
SOC 310	American Families	4
Any 2 additional core distribution courses		8
Total		20

*Each elective course must come from a different distribution category, with at least one course at the 300-400 level. Of the five courses taken, no more than three courses may be from either the Department of Psychology, Neuroscience, and Human Development or Social Sciences department.

Due to course overlap, students majoring in Psychology and Neuroscience may not pursue a minor in HDFS. Students minoring in Psychology or Neuroscience cannot also minor in Human Development & Family Science. HDFS minors may minor in Sociology; however, they may only overlap and count SOC 110S and SOC 310 toward both minors. Other SOC courses taken may only be counted toward either the HDFS or Sociology minors.

Human Development and Family Science and Master of Science in Occupational Therapy (3+2)

The University of Mount Union offers an accelerated 3+2 program that combines a bachelor's degree in Human Development and Family Science with a Master of Science in Occupational Therapy (MSOT). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In the first three years, students fulfill the requirements for the Psychology degree, with the exception of the 120-credit hour requirement. The fourth year marks the beginning of the MSOT program, during which students complete coursework that counts toward both their undergraduate and graduate degrees. This structure allows students to earn both degrees in five years instead of the traditional six-year period, providing a unique opportunity for driven individuals to expedite their academic and professional development in the field of occupational therapy.

Admission Requirements/Criteria

Interested candidates must apply using the UMU MSOT Early Assurance Application which may be located through mountunion.edu. Applications must be complete and submitted by the established deadline. For consideration, applicants must meet the following criteria:

- Complete at least 1 semester of full-time academic study at UMU in a degree granting program of study (Human Development and Family Science declared major)
- Possess a minimum GPA of 3.5 or higher

Interviews will be conducted by invitation-only following application review. An interview is required prior to an offer of 3+2 Early Assurance. Once accepted to the 3+2 program, students must fulfill established requirements to retain their seat in the MSOT program. These requirements include:

- maintain a 3.0 overall GPA; and 3.0 prerequisite GPA
- complete all prerequisite coursework with a C or better
- complete all 3+2 Human Development and Family Science degree requirements prior to beginning MSOT coursework
- Submit formal application to MSOT program (summer prior to third year)
- Submit 2 letters of recommendation (fall semester 1-year prior to program matriculation)
- Complete formal interview
- Pay a non-refundable deposit of $500.00 to hold a seat in the class

Requirements for the 3+2 Psychology/MSOT

Required Courses for Major in Human Development & Family Science	Semester Hours
PSY 110S The Psychological Sciences*	4
BIO 140N The Unity of Life	4
PSY 225 Lifespan Development*	4
SOC 100S Introduction to Sociology*	4
BIO 210 Anatomy and Physiology I*	4
BIO 141N The Diversity of Life	4
SOC 310 American Families	4
BIO 211 Anatomy and Physiology II*	4
PSY 222 Research Methods in the Psychological Sciences*	4
PSY 400 Senior Research I	4
PSY or SOC XXX Family Development	4
PSY or SOC XXX Society and Culture Requirement with G Explorations	4
PSY 405 Senior Research II	2
PSY 499 Psychology Internship	4
PSY or SOC XXX CHOICE Society and Culture	4

Other coursework including recommended electives:	
FYS Integrative Core	4
Integrative Core – A Foundation	4
Integrative Core – Exploration V	4
CAP 400 Integrative Core – Capstone	4
Integrated Core – H Foundation	4
EXS 280 Medical Terminology*	2
Math requirements	3-4
World Language (if needed)	0-8
EXS 220 Foundations of Human Movement	4
PSY 240 Abnormal Psychology*	4

Total	87-96

*courses accepted as prerequisite coursework for the MSOT program

Students will meet the credit hour requirement for the bachelor's degree with earned credits from the first year of the MSOT program. If a student is accepted into the 3+2 program and chooses not to continue to the MSOT program for any reason, the student will be required to finish the outstanding credit hour requirement to be awarded the Bachelor of Science in Exercise Science Degree from the University of Mount Union.

The Neuroscience Major

The Neuroscience major provides courses with a focus on the structure and function of the central and peripheral nervous system and how they impact cognition, emotion, and behavior. The introductory courses provide a foundation for understanding how the anatomy and physiology of the nervous system can impact behavior, consciousness, and how we interact with others. Elective classes provide specialization in basic fields such as psychopharmacology and applied areas examining how brain functionality impacts psychiatric disorders. The major is designed to provide graduates with the tools necessary to pursue jobs immediately upon graduation as laboratory assistants in a variety of research settings. The major is also designed for students wishing to pursue graduate study and careers in neuroscience and medicine and students with an interest in nervous system specific fields such as neurology or psychiatry.

All Neuroscience majors will take 44 semester hours: 24 required core hours, 8 required extra-departmental hours, and 12 hours of electives from two categories. Completion of the major and all other University requirements results in a Bachelor of Science degree in Neuroscience. Please note that due to course overlap, anyone who chooses to pursue this major may not pursue other majors or minors within the Department of Psychology, Neuroscience, and Human Development. These would include the majors and minors in psychology and human development & family science. Students who double major in Sociology or Criminal Justice may replace the PSY 222 requirement with SOC 365.

Requirements for the Major in Neuroscience

Required Courses		Semester Hours
PSY 110S	The Psychological Sciences	4
PSY 120	Careers in Psychology, Neuroscience, and Human Dev.	2
PSY 222	Research Methods in the Psychological Sciences	4
PSY 250	Neuroscience: The Brain	4
PSY 320	Neuroscience: Behavior and Psychiatric Disorders	4
PSY 400	Senior Research I	4
PSY 405	Senior Research II	2
Required Extra-Departmental Courses (8 hours)		
BI0 140N	The Unity of Life	4
CHE 120N	Concepts in Chemistry	4
Any 1 of the following basic science courses (4 hours)		
BIO 240	Genetics	4
PSY 240	Abnormal Psychology	4
PSY 245	Learning and Conditioning	4
PSY 260V	Sensation and Perception	4
PSY 270	Cognitive Psychology	4
PSY 340	Animal Cognition	4
Any 1 of the following applied science courses (4 hours)		
PSY 280G	Global Health Psychology	4
PSY 290	Introduction to Autism Spectrum Disorders	4
PSY 310	Child and Adolescent Psychopathology	4
PSY 325G	Cultural Psychology and Neuroscience	4
PSY 330	Drugs and Behavior	4
One additional basic or applied science course (4 hours)		4
Total		44

Requirements for the Minor in Neuroscience

Students wishing to obtain a minor in Neuroscience can begin with an introductory course in psychology, biology, or chemistry followed by core courses in neuroscience. The Neuroscience minor consists of 16 semester hours: 4 introductory hours selected from any of three disciplines, 8 required hours in Neuroscience, and 4 elective hours in Neuroscience. Students majoring in psychology or human development & family science cannot double major or minor in neuroscience.

Required Neuroscience Courses (12 hours)

PSY 110S	The Psychological Sciences	4
PSY 250	Neuroscience: The Brain	4
PSY 320	Neuroscience: Behavior and Psychiatric Disorders	4

Any 1 of the following courses (4 hours)

PSY 240	Abnormal Psychology	4
PSY 245	Learning and Conditioning	4
PSY 260V	Sensation and Perception	4
PSY 270	Cognitive Psychology	4
PSY 280G	Global Health Psychology	4
PSY 290	Introduction to Autism Spectrum Disorders	4
PSY 310	Child and Adolescent Psychopathology	4
PSY 325G	Cultural Psychology and Neuroscience	4
PSY 330	Drugs and Behavior	4
PSY 340	Animal Cognition	4

Total 16

Students minoring in Psychology or Human Development & Family Science cannot also minor in Neuroscience.

Neuroscience and Master of Science in Occupational Therapy (3+2)

The University of Mount Union offers an accelerated 3+2 program that combines a bachelor's degree in Neuroscience with a Master of Science in Occupational Therapy (MSOT). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In the first three years, students fulfill the requirements for the Neuroscience degree, with the exception of the 120-credit hour requirement. The fourth year marks the beginning of the MSOT program, during which students' complete coursework that counts toward both their undergraduate and graduate degrees. This structure allows students to earn both degrees in five years instead of the traditional six-year period, providing a unique opportunity for driven individuals to expedite their academic and professional development in the field of occupational therapy.

Admission Requirements/Criteria

Interested candidates must apply using the UMU MSOT Early Assurance Application which may be located through mountunion.edu. Applications must be complete and submitted by the established deadline. For consideration, applicants must meet the following criteria:

- Complete at least 1 semester of full-time academic study at UMU in a degree granting program of study (Psychology declared major)
- Possess a minimum GPA of 3.5 or higher

Interviews will be conducted by invitation-only following application review. An interview is required prior to an offer of 3+2 Early Assurance. Once accepted to the 3+2 program, students must fulfill established requirements to retain their seat in the MSOT program. These requirements include:

- maintain a 3.0 overall GPA; and 3.0 prerequisite GPA
- complete all prerequisite coursework with a C or better
- complete all 3+2 neuroscience degree requirements prior to beginning MSOT coursework
- Submit formal application to MSOT program (summer prior to third year)
- Submit 2 letters of recommendation (fall semester 1-year prior to program matriculation)
- Complete formal interview
- Pay a non-refundable deposit of $500.00 to hold a seat in the class

Requirements for the 3+2 Neuroscience/MSOT

Required Courses for Neuroscience Major	Semester Hours
PSY 110S The Psychological Sciences*	4

BIO 140N The Unity of Life	4
PSY 225 Lifespan Development (P/D/S)*	4
SOC 100S Introduction to Sociology*	4
BIO 210 Anatomy and Physiology I*	4
BIO 141N The Diversity of Life	4
PSY 250 Neuroscience: The Brain	4
PSY 222 Research Methods in the Psychological Sciences*	4
PSY 400 Senior Research I	4
PSY 240 Abnormal Psych*	4
PSY 405 Senior Research II	2
PSY 499 Psychology Internship	4
PSY XXX Applied Science	4
PSY XXX Applied Science with a G Explorations	4
PSY 320 Neuroscience: Behavioral and Psychiatric Disorders	4
CHE 120N Concepts of Chemistry	4

Other coursework including recommended electives:

Integrative Core – A Foundation	4
Integrative Core – V Exploration	4
FYS 100 First Year Seminar	4
CAP 400 Integrative Core – Capstone	4
Integrated Core – H Foundation	4
EXS 280 Med Term *	2
EXS 220 Foundations of Human Development*	4
World Language (if needed)	0-8
Math requirement	3-4
BIO 211 Anatomy & Physiology II	4
Total	99-108

*courses accepted as prerequisite coursework for the MSOT program

Students will meet the credit hour requirement for the bachelor's degree with earned credits from the first year of the MSOT program. If a student is accepted into the 3+2 program and chooses not to continue to the MSOT program for any reason, the student will be required to finish the outstanding credit hour requirement to be awarded the Bachelor of Science in Neuroscience Degree from the University of Mount Union.

Major in Psychology

The psychology major is designed to reflect the basic and applied aspects of psychological science. The major includes a rigorous core emphasizing the acquisition of research methods and data analysis skills culminating in the production and presentation of completed research projects. In addition, majors are required to experience the breadth of the field by selecting courses across the discipline. The major is designed to prepare students both to pursue careers immediately after graduation in a diverse array of positions and to acquire the advanced degrees in psychology and allied fields necessary for the achievement of career goals in academic and applied areas. All psychology majors will take 44 semester hours: 20 required hours, 12 distribution hours selected from three categories, and 12 hours of electives. Completion of the major and all other University requirements results in a Bachelor of Science degree in psychology. Please note that due to course overlap, anyone who chooses to pursue this major may not pursue other majors or minors in neuroscience, and human development & family science. Students who double major in Sociology or Criminal Justice may replace the PSY 222 requirement with SOC 365.

Requirements for the Major in Psychology

Required Courses (20 hours)		Semester Hours
PSY 110S	The Psychological Sciences	4
PSY 120	Careers in Psychology, Neuroscience, and Human Dev.	2
PSY 222	Research Methods in the Psychological Sciences	4
PSY 400	Senior Research I	4
PSY 405	Senior Research II	2
PSY 420	The Origins of Psychology	4
or		
PSY 499	Psychology Internship	4
or		

SPE 499	Spectrum Education Center Internship	4

Any One of the Following Developmental/Social Courses (4 hours)

PSY 210	Educational Psychology	4
PSY 215	Child and Adolescent Development	4
PSY 220	Adulthood and Aging	4
PSY 225	Lifespan Development	4
PSY 230	Personality Theory	4
PSY 235	Social Psychology	4
PSY 300G	Movies & Madness	4
PSY 345	Human Sexual Behavior	4
PSY 380G	Psychology of Gender	4
PSY 385G	Psychology of Prejudice & Power	4

Any One of the Following Cognitive/Behavioral Psychology or Neuroscience Courses (4 hours)

PSY 245	Learning and Conditioning	4
PSY 250	Neuroscience: The Brain	4
PSY 260V	Sensation and Perception	4
PSY 270	Cognitive Psychology	4
PSY 280G	Global Health Psychology	4
PSY 320	Neuroscience: Behavior and Psychiatric Disorders	4
PSY 330	Drugs & Behavior	4
PSY 340	Animal Cognition	4

Any One of the Following Applied Psychology Courses (4 hours)

CRJ 335	Offender Behavior	4
PSY 240	Abnormal Psychology	4
PSY 255	Sport Psychology	4
PSY 290	Introduction to Autism Spectrum Disorders	4
PSY 305	Psychology of Humor	4
PSY 310	Child and Adolescent Psychopathology	4
PSY 325G	Cultural Psychology and Neuroscience	4
PSY 355	Introduction to Health and Wellness Coaching	4
PSY 360	Introduction to Counseling	4
PSY 365	Group Therapy	4
PSY 390	Introduction to Marriage and Family Therapy	4
SOC 325	Organizational Analysis	4

Twelve additional PSY or SPE credits (4 credits must be at 300-400 level)	12
Total	44

Requirements for the Minor in Psychology

Students wishing to obtain a minor in psychology begin with an overview of the field and then take more specialized courses that provide greater depth of inquiry. The psychology minor consists of 16 semester hours in psychology: 4 required hours and 12 elective hours. Students majoring in neuroscience or human development & family science cannot double major or minor in psychology.

Required Courses		Semester Hours
PSY 110S	Introduction to Psychological Science	4
Any 3 additional PSY courses (excluding PSY 120 & PSY 222)		12
Total		16

Students minoring in Neuroscience or Human Development & Family Science cannot also minor in Psychology.

Requirements for the Minor in Autism Studies

Students wishing to obtain a minor in Autism Studies begin with an introductory course on Autism Spectrum Disorder followed by work within the Spectrum Education Center and potentially coursework in Education. The Autism Studies minor consists of 16-18 total credit hours and you must be accepted to take part in the Spectrum Internship Program to participate in the minor as it is required for the internship program.

Required Courses		Semester Hours
PSY 290	Introduction to Autism	4
SPE 200	Introduction to Developmental Disorders	4
SPE 205	Registered Behavior Technician Training	2
SPE 499	Spectrum Education Center Internship	4
SPE 210	PEERS Program Mentor Training	2
or		
ISP 220	Intro to Exceptional Learners	4
Total		16-18

Students majoring or minoring in Psychology, Neuroscience, and Human Development and Family Science may declare a minor in Autism Studies however, they are not allowed to overlap or double count any courses.

Psychology and Master of Science in Occupational Therapy (3+2)

The University of Mount Union offers an accelerated 3+2 program that combines a bachelor's degree in Psychology with a Master of Science in Occupational Therapy (MSOT). This program is designed for highly motivated students who demonstrate the capacity and readiness to complete their undergraduate and graduate education in a condensed timeframe. In the first three years, students fulfill the requirements for the Psychology degree, with the exception of the 120-credit hour requirement. The fourth year marks the beginning of the MSOT program, during which students complete coursework that counts toward both their undergraduate and graduate degrees. This structure allows students to earn both degrees in five years instead of the traditional six-year period, providing a unique opportunity for driven individuals to expedite their academic and professional development in the field of occupational therapy.

Admission Requirements/Criteria

Interested candidates must apply using the UMU MSOT Early Assurance Application which may be located through mountunion.edu. Applications must be complete and submitted by the established deadline. For consideration, applicants must meet the following criteria:

- Complete at least 1 semester of full-time academic study at UMU in a degree granting program of study (Psychology declared major)
- Possess a minimum GPA of 3.5 or higher

Interviews will be conducted by invitation-only following application review. An interview is required prior to an offer of 3+2 Early Assurance. Once accepted to the 3+2 program, students must fulfill established requirements to retain their seat in the MSOT program. These requirements include:

- maintain a 3.0 overall GPA; and 3.0 prerequisite GPA
- complete all prerequisite coursework with a C or better
- complete all 3+2 psychology degree requirements prior to beginning MSOT coursework
- Submit formal application to MSOT program (summer prior to third year)
- Submit 2 letters of recommendation (fall semester 1-year prior to program matriculation
- Complete formal interview
- Pay a non-refundable deposit of $500.00 to hold a seat in the class

Requirements for the 3+2 Psychology/MSOT

Required Courses	Semester Hours
PSY 110S The Psychological Sciences	4
PSY 222 Research Methods in the Psychological Sciences*	4
PSY 400 Senior Research I	4
PSY 405 Senior Research II	2
PSY 420 Origins of Psychology OR PSY 499 OR SPE 499	4
PSY 225 Lifespan Development (P/D/S)*	4
PSY XXX Beh/Cog/Neuro Course	4
PSY 240 Abnormal Psych (Applied Course)*	4
Psychology 300-400 level coursework	12
Other required coursework:	
FYS 100 First Year Seminar	4
World Language (if needed)	0-8

Math requirement	4
Integrative Core – A Foundation	4
Integrated Core – H Foundation	4
Integrative Core V Exploration	4
CAP 400 Integrative Core – Capstone	4
SOC 100S Introduction to Sociology*	4
EXS 220 Foundations of Human Development*	4
EXS 280 Medical Terminology*	2
BIO 140 The Unity of Life	4
BIO 210 Anatomy and Physiology I*	4
BIO 211 Anatomy and Physiology II*	4
Total	88-96

*courses accepted as prerequisite coursework for the MSOT program

Students will meet the credit hour requirement for the bachelor's degree with earned credits from the first year of the MSOT program. If a student is accepted into the 3+2 program and chooses not to continue to the MSOT program for any reason, the student will be required to finish the outstanding credit hour requirement to be awarded the Bachelor of Science in Exercise Science Degree from the University of Mount Union.

Requirements for Honors in Psychology, Neuroscience, and Human Development

Students are eligible to enter the Honors Program in psychology, neuroscience, or HDFS if they have at least a 3.5 grade point average in the major or permission of the Honor Review Board. To receive honors in psychology, neuroscience, or HDFS, a student must have at least a 3.5 grade point average in the major at graduation and honors credit in courses that total a minimum of 12 semester hours or complete the PSY 494 Honors Thesis/Project. For permission to register for an honors thesis/project, a completed Honors Application and Registration Form must be filed with the director of Honors Programs by the end of the 12th week of classes of the semester prior to doing the thesis. Students must earn at least a "B+" in the course to earn honors credit. Other courses students may take for honors in psychology, neuroscience, and HDFS include any 200-level or above course except PSY 110S, PSY 120, PSY 222, PSY 400 and PSY 405. For permission to register for a course with honors in the major, a completed Application and Registration Form must be filed with the director of Honors Programs by the end of the third week of classes of the semester in which the course is taken. Students must earn at least a "B+" in the course to earn honors credit.

Spectrum Education Center Internship Program

The Spectrum Education Center Internship Program is administered by the Department of Psychology, Neuroscience, and Human Development. The Spectrum Program is designed to support undergraduate students who are interested in the intervention and advocacy of people with developmental disabilities. The Spectrum Program provides students with the opportunity to participate in co-curricular, semester-long off-campus experiences. These experiences include both academic and internship components, giving students the chance to witness theory-in-practice.

Requirements for the Spectrum Internship Program

The following courses must be taken concurrently:

Required Courses		Semester Hours
SPE 200	Introduction to Developmental Disorders	4
SPE 205	Clinical Seminar on Developmental Disorders	2
SPE 499	Spectrum Education Center Internship	8

Additional Student Requirements

Students must be accepted to participate in the Spectrum Program. Once accepted, students are placed at local clinical sites with whom the University of Mount Union has partnership agreements.

The Spectrum Program requires a GPA of 3.0 and the completion of 28 credit hours for eligibility. In addition, students must have the endorsement of their academic advisor. Spectrum and representative from internship sites screen all applications. Spectrum notifies the student about admittance into the program, and course enrollment is secured at the time of selection.

A student may not repeat a failed course in order to pass and receive credit for the course. Students enrolled in an internship pay normal tuition and fee charges to the University.

Department of Social Sciences

The Department of Social Sciences seeks to equip students with the requisite skills and tools to succeed in their future and to instill in them a desire for and commitment to lifelong engagement with the world. The Department strives to help students understand the world around them from a broad intellectual and ethical perspective. Coursework will offer students the opportunity to build their critical thinking skills, improve their analytical abilities, and develop their written and oral communication skills.

The Department of Social Sciences offers majors and minors in Criminal Justice, History, Political Science (including a 3+3 law track with Akron Law and Capital Law), International Affairs and Diplomacy, National Security and Intelligence Analysis, and Sociology, as well as minors in Legal Studies and respective major disciplines.

Criminal Justice

The Criminal Justice Major requires 56 semester hours. These hours are divided into a 36-hour core and a 20-hour set of electives (from one of the two options below). Criminal justice majors are encouraged to develop proficiency in at least one modern world language with emphasis on identifying and negotiating cultural differences and practices. All Criminal Justice majors are required to minor in Sociology (regardless of completing majors or minors in any other program).

Requirements for the Major in Criminal Justice

Required Courses for all Majors		Semester Hours
SOC 100S	Introduction to Sociology	4
CRJ 105	Introduction to Criminal Justice	4
CRJ 210	Careers in Criminal Justice	4
CRJ 208	Diversity Issues in Criminal Justice	4
CRJ 308	Criminal Procedure	4
SOC 205	Juvenile Delinquency	4
SOC 364	Research Methods I	4
SOC 375	Sociological and Criminological Theory	4
CRJ 490	Senior Culminating Experience	4
Total		36

Areas of Concentration

All Criminal Justice Majors must complete one (and only one) area of concentration.

Requirements for the Concentration in Law Enforcement

This concentration is for students interested in pursuing a career in a variety of local, state and federal law enforcement agencies.

Required Courses		Semester Hours
CRJ 201	Law Enforcement	4
CRJ 301	Crime Investigation	4
Any THREE from the following courses:		
CRJ 325	Treatment Methods in Criminal Justice	4
CRJ 335	Offender Behavior	4
CRJ 340G	Victimology	4
CRJ 345	Gangs and Organized Crime	4
CRJ 355	Law Enforcement Administration	4
CRJ 499	Internship	4
PSY 235	Social Psychology	4
SOC 215	Drugs and Society	4
SOC 220	The Many Faces of Poverty	4
SOC 225	Family Violence	4
SOC 270	Urban Sociology	4
Total		20

Requirements for the Concentration in Criminology

Any FIVE Elective Courses from the following list:

Courses		Semester Hours
CHE 108N	Forensic Science	4
CRJ 201	Law Enforcement	4
CRJ 203	Community Corrections	4
CRJ 301	Crime Investigation	4
CRJ 325	Treatment Methods in Criminal Justice	4
CRJ 335	Offender Behavior	4
CRJ 340G	Victimology	4
CRJ 345	Gangs and Organized Crime	4
CRJ 410	Advanced Seminar	4
CRJ 499	Internship	4
PSY 235	Social Psychology	4
SOC 215	Drugs and Society	4
SOC 220	The Many Faces of Poverty	4
SOC 225	Family Violence	4
SOC 250	Medical Sociology	4
SOC 270	Urban Sociology	4
SOC 315	Penology	4

Requirements for the Minor in Criminal Justice

Required Courses		Semester Hours
CRJ 105	Introduction to Criminal Justice	4

Any THREE Elective Courses from the following list:

CHE 108N	Forensic Science	4
CRJ 201	Law Enforcement	4
CRJ 203	Community Corrections	4
CRJ 208	Diversity Issues in Criminal Justice	4
CRJ 210	Careers in Criminal Justice	4
CRJ 301	Crime Investigation	4
CRJ 308	Criminal Procedure	4
CRJ 340G	Victimology	4
SOC 205	Juvenile Delinquency	4
SOC 270	Urban Sociology	4
SOC 315	Penology	4
SOC 364	Research Methods I	4

Total	16

Major in History

The major in History develops and maintains an academic curriculum that helps students attain a broad base of knowledge in history and acquire the intellectual and communication skills necessary to an undergraduate education in history. The department offers a major and minor. Students who enroll in history courses gain knowledge about a range of temporal and geographical historical experiences from different parts of the globe and learn to think critically about historical processes that have shaped the historical past as well as contemporary civilization.

Majors are required to engage upper-level coursework to develop depth of understanding, and a Senior Culminating Experience (SCE) course in History is required. The history major prepares students for careers in education, and graduate study in history and related fields. Students with a broad range of professional career interests—including education, law, and business – major in History.

We offer the AYA track for those who want to teach in the K-12 system.

History majors will take a total of 44 credit hours in the major: If on the AYA track, 40 required hours, 4 distribution hours selected from the list provided. Otherwise, 28 required hours and 12 distribution hours. SOC 364 is required for the History major, to be taken in their junior year. Completion of the major and all other university requirements results in a Bachelor of Arts with a major in History degree.

Requirements for the Major in History

Required Courses		Semester Hours
HST 101H	Western Civilization I	4
or		
HST 102H	Western Civilization II	4
HST 110	Asian Civilization	4
HST 200	Historians' Craft	4
SOC 364	Social Science Research Methods I	4
HST 400	Senior Culminating Experience	4
And any two of the US sequence		
HST 205	Colonial America.	4
HST 206H	Nineteenth Century America	4
HST 207V	American History, 1880-1945	4
HST 208V	United States Since 1945	4
Any Three of the following courses		
HST 101H	Western Civilization I	4
HST 102H	Western Civilization II	4
HST 280H	American Women's History	4
HST 295H	The Long Struggle-African American History	4
HST 350V	Ancient Greece and Rome	4
HST 355V	Medieval Europe	4
HST/POL 135	Living the Good Life: Political Philosophy and You.	4
POL 180	Exploring the World: An Introduction to Geography	4
POL/HST 345G	Europe's Future: Politics, Society and Economy	4
POL/HST 347G	Post-Soviet Politics: From Collapse to Resurgence	4
Total		40

Requirements for the Major in History-AYA Track

Required Courses		Semester Hours
HST 101H	Western Civilization I	4
or		
HST 102H	Western Civilization II	4
HST 110	Asian Civilization	4
HST 200	Historians' Craft	4
HST 205	Colonial America	4
HST 206H	Nineteenth Century United States	4
HST 207V	The Progressive Era	4
HST 208V	United States Since 1945	4
SOC 364	Social Science Research Methods I	4
HST 400	Senior Culminating Experience course	4
Any one of the following courses		
HST 101H	Western Civilization I	4
HST 102H	Western Civilization II	4
HST 280H	American Women's History	4
HST 295H	The Long Struggle-African American History	4
HST 350V	Ancient Greece and Rome	4
HST 355V	Medieval Europe	4
HST/POL135	Living the Good Life: Political Philosophy and You.	4
POL 180	Exploring the World: An Introduction to Geography	4
POL/HST 345G	Europe's Future: Politics, Society and Economy	4
POL/HST 347G	Post-Soviet Politics: From Collapse to Resurgence	4
Total		40

Requirements for the Minor in History

Required Courses	Semester Hours
Four 4-credit hour HST courses*	16

*Students must take 16 credit hours in History (HST). This can be done by taking four classes of four credit hours each, or any combination of History courses that add up to 16 total credit hours.

Total	16

Requirements for Honors in History

Students are eligible to enter the Honors Program in history if they have at least a 3.5 grade point average in the major or permission of the Honor Review Board. To receive honors in history, a student must have at least a 3.5 grade point average in the major at graduation and honors credit in courses that total a minimum of 16 semester hours. One of the courses may be HST 494 Honors Thesis/Project that may be taken for four to six credit hours. For permission to register for an honors thesis/project, a completed Honors Application and Registration Form must be filed with the director of Honors Programs by the end of the 12th week of classes of the semester prior to doing the thesis. Students must earn at least a "B+" in the course to earn honors credit. Other courses students may take for honors in history include any 200-level or above course, except HST 400 (students should register instead for HST 494). For permission to register for a course with honors in the major, a completed Application and Registration Form must be filed with the director of Honors Programs by the end of the third week of classes of the semester in which the course is taken. Students must earn at least a "B+" in the course to earn honors credit.

Major in International Affairs and Diplomacy

Students majoring in International Affairs and Diplomacy must minor in a world language or demonstrate competence in one modern world language that is not their native language. Competence is defined as equivalent to two courses in the target language at the two-hundred level or above. International Affairs and Diplomacy majors are required to participate in either a study abroad program or in a foreign policy-related internship.

Requirements for the Major in International Affairs and Diplomacy

Required Courses		Semester Hours
POL 120S	Going Global: An Introduction to World Politics	4
or		
POL 180	Exploring the World: An Introduction to Geography	4
POL 190	Careers in Politics and International Affairs	1
ECN 105S	Introduction to Economics	4
POL 225V	International Relations	4
POL 245G	Comparative Political Systems	4
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
POL 401	Senior Project in Int'l Affairs & Diplomacy	4

Any ONE of the following culture

CHN 235	The Peoples and Cultures of Contemporary China	4
FRN 235H	The Peoples and Cultures of Contemporary France	4
GRN 235H	The Peoples and Cultures of Contemporary Germany	4
JPN 235H	The Peoples and Cultures of Contemporary Japan	4
REL 130H	Religions of the World	4

Any TWO of the following Comparative Politics/Area Studies courses

POL/HST 344	Africa's Promise: Challenges & Opportunities of the 'Forgotten Continent'	4
POL/HST 345G	Europe's Future: Politics, Society, and Economy	4
POL/HST 346G	The Rise of Asia: Politics, Society, and Economy	4
POL/HST 347G	Post-Soviet Politics: From Soviet Collapse to Resurgence	4
POL/HST 348	Problems of Developing Nations	4
POL/HST 349G	The Middle East: Challenges & Opportunities of a Volatile Region	4
ECN 380	Comparative Economic Systems	4
ECN 390	Economies of the Asian Pacific Rim	4

Any ONE of the following Political Science courses		
POL 270V	US Foreign Policy: Past, Present and Future	4
POL 275	Intelligence Analysis	4
POL 321	Terrorism	4
INT 199	Special Topics in International Studies	4
INT 299	Special Topics in International Studies	4
INT 399	Special Topics in International Studies	4
POL 499	Internship	4
Total		45

Requirements for a Minor in International Affairs and Diplomacy

Required Courses		Semester Hours
POL 120S	Going Global: An Introduction to World Politics	4
POL 225V	International Relations	4
POL 245G	Comparative Political Systems	4
One course in Comparative Politics/Area Studies or Political Science from the list of courses approved for the IAD Major		4
One course from the list of History/Culture courses approved for the IAD Major		4
Total		20

Major in Political Science

Political Science majors are strongly encouraged to participate in an internship. Credits earned during the internship can count towards the major.

Requirements for the Major in Political Science

Required Courses		Semester Hours
POL 100S	All Politics is Local	4
POL 105S	US Politics in Crisis: American Government, Politics, and Society	4
POL 120S	Going Global: An Introduction to World Politics	4
POL 135	Living the Good Life: Political Philosophy and You	4
POL 190	Careers in Politics and International Affairs	1
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
POL 400	Seminar in Political Science	4
POL 499	Internship	4

Twelve additional credit hours of Political Science, with 8 credit hours at the 200-level and 4 credit hours at the 300-level. Students who are interested in pursuing a career in the legal field are encouraged to take POL 202 and POL 203 in addition to the Legal Studies minor.

Total	45

Requirements for the Minor in Political Science

Required Courses		Semester Hours
POL 105S	US Politics in Crisis: American Government, Politics, and Society	4
POL 120S	Going Global: An Introduction to World Politics	4
POL 135	Living the Good Life: Political Philosophy and You	4
Any two additional political science courses		8
Total		20

Major in National Security and Intelligence Analysis (NSIA)

National Security and Intelligence Analysis majors are required to participate in a national security-related internship. Students should take into consideration that a minimum GPA of 2.5 is required for participation in most of Mount Union's internship programs. In some cases, a GPA of 3.0 or higher may be required. In addition, the approval of the Department Internship Coordinator and Department Chair is required for an internship. In addition, many of the internships available for National Security and Foreign Intelligence Analysis majors require a security clearance. Students majoring in National Security and Intelligence Analysis must select either the Analyst Concentration or the Cyber Security Concentration. Additionally, all NSIA majors must minor in a World Language.

Requirements for the Major in National Security and Intelligence Analysis (NSIA)

Required Courses (required of all concentrations)		Semester Hours
POL 105S	US Politics in Crisis: American Government, Politics, and Society	4
POL 120S	Going Global: An Introduction to World Politics	4
or		
POL 180	Exploring the World: An Introduction to Geography	4
POL 190	Careers in Politics and International Affairs	1
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
CSC 112	Introduction to Computer Science	4

Analyst Concentration:

Core Courses

POL 225	International Relations	4
POL 270V	US Foreign Policy: Past, Present and Future	4
POL 275	Intelligence Analysis	4
POL 470	Senior Project in National Security	4

Distribution Courses

Choose any two of the following thematic courses:

ECN 380	Comparative Economic Systems	4
CRJ 301	Crime Investigation	4
CRJ 360	Investigative Interviewing	4
POL 321	Terrorism	4
POL 322	Cyberwar and Cybersecurity	4
REL 360G	Religious Conflict and Peace-Building	4

Choose two Area-Studies Courses

HST/POL 344	Africa's Promise: Challenges & Opportunities of the 'Forgotten Continent'	4
HST/POL 345G	Contemporary Europe	4
HST/POL 346G	The Rise of Asia	4
HST/POL 347G	Russia and the former Soviet Union	4
HST/POL 348	Problems of Developing Nations	4
HST/POL 349G	The Middle East: Challenges & Opportunities of a Volatile Region	4
ECN 390	Economies of the Asian Pacific Rim	4

Required Internship

POL 499	Internship	4

Total		57

Cyber Security Concentration:

Core Courses

CSC 120	Programming and Problem Solving I	4
and		
CSC 220	Programming and Problem Solving II	4

or		
DSC 140	Data Science Foundations	4
and		
DSC 240	Data Analysis and Visualization Techniques	4
CSC 260	Introduction to Information Security	4
CSC 363	Principles of Web App Security	4
CSC 460	Network Security	4
POL 270V	US Foreign Policy: Past, Present and Future	4
POL 275	Intelligence Analysis	4
POL 470	Senior Project in National Security	4
Thematic Course		
POL 321	Terrorism	4
or		
POL 322	Cyberwar and Cybersecurity	4
Required Internship		
POL 499	Internship	4
or		
CSC 499	Internship	4
Total		61

Requirements for the Minor in National Security and Intelligence Analysis (NSIA)

Required Courses		Semester Hours
POL 120S	Going Global: An Introduction to World Politics	4
or		
POL 180	Exploring the World: An Introduction to Geography	4
National Security and Intelligence Core Courses		
POL 270V	US Foreign Policy: Past, Present and Future	4
POL 275	Intelligence Analysis	4
Any one of the following National Security and Intelligence Distribution Courses		
CSC 260	Introduction to Information Security	
CSC 270	Computer Organization	4
CSC 360	Computer Networks	4
CSC 460	Network Security	4
ECN 380	Comparative Economic Systems	4
ECN 390	Economies of the Asian Pacific Rim	4
EGE 320G	Global Engineering	4
FIN 340	Emerging Markets Finance & Investments	4
POL 321	Terrorism	4
POL 322	Cyberwar and Cybersecurity	4
HST/POL 344	Africa's Promise: Challenges & Opportunities of the 'Forgotten Continent'	4
HST/POL 345G	Europe's Future: Politics, Society, and Economy	4
HST/POL 346G	The Rise of Asia	4
HST/POL 347G	Russia and the former Soviet Union	4
HST/POL 348	Problems of Developing Nations	4
HST/POL 349G	The Middle East: Challenges & Opportunities of a Volatile Region	4
REL 360G	Religious Conflict and Peacebuilding	4
Total		16

Political Science majors are strongly encouraged to participate in an internship. Credits earned during the internship can count towards the major. International Affairs and Diplomacy majors are required to participate in either a study abroad program or in a foreign policy-related internship. National Security and Intelligence Analysis majors are required to participate in a national

security-related internship. Students should take into consideration that a minimum GPA of 2.5 is required for participation in most of Mount Union's internship programs. In some cases, a GPA of 3.0 or higher may be required. In addition, the approval of the Department Internship Coordinator and Department Chair is required for an internship. In addition, many of the internships available for National Security and Foreign Intelligence Analysis majors require a security clearance.

National Security and Intelligence Analysis and Applied Intelligence 3+2 Program with Mercyhurst University.

The University of Mount Union recognizes that certain students have the motivation, capacity, and readiness to complete their undergraduate education and graduate education in an accelerated manner. The 3+2 National Security and Intelligence Analysis major and Master of Science in Applied Intelligence allows highly motivated students to complete all requirements for both an undergraduate degree in National Security and Intelligence Analysis and a graduate degree from the Mercyhurst University in five years of full-time study, as opposed to the traditional six-year path of study. Under this 3+2 Program, students will complete three years of full-time study at Mount Union, immediately followed by two years of full-time study at Mercyhurst University. During the fourth year of undergraduate study, the student will become a full-time, first-year graduate student at Mercyhurst University rather than returning to the Mount Union campus for a "senior" year. Additionally, all NSIA majors must minor in a World Language.

Acceptance into the 3+3 program with Mercyhurst University

- Prospective students must be accepted for admission to Mount Union before application to the 3+2 program.
- Current students must declare their intention to pursue the 3+2 program prior to their sophomore year.
- To be considered for early admission to Mercyhurst University, a student must have:
    1. Completed at least three (3) years of coursework and a minimum of 102 credits at Mount Union.
    2. Earned a minimum cumulative undergraduate G.P.A. of 3.0 at the time of matriculation at Mercyhurst;
    3. Remained in good academic and disciplinary standing (throughout their matriculation at Mount Union);
    4. Met all of the criteria for admission required by the Mercyhurst Office of Admissions; and
    5. Enrollment in the B.A. in National Security and Intelligence Analysis (NSIA) program with a minor in a World Language

- "Early admit" students who fail to complete all baccalaureate graduation credit requirements by the conclusion of their second semester at Mercyhurst will cease to be eligible for this program and Mercyhurst will deem such students academically ineligible to continue.
- Mount Union has no obligation to nominate any student or students to the Mercyhurst program, even if he or she fulfills the criteria.
- Admission to the 3+2 Program does not guarantee eventual acceptance to Mercyhurst University. A student who does not gain admission to Mercyhurst University through this Program will devote their fourth year to any remaining requirements of an undergraduate major.

Required course at the University of Mount Union

Core Courses

POL 105S America Government	4
POL 120S World Politics	4
POL 225V International Relations	4
POL 270 US Foreign Policy: Past, Present and Future	4
CSC 112 Introduction to Computer Science	4
SOC 364 Social Science Research Methods I	4
SOC 365 Social Science Research Methods II	4
POL 470 Senior Project in National Security	4

Two of the following (8 credit hours)

ECN 380 Comparative Economic Systems	4
POL 321 Terrorism	4
POL 322 Cyberwar and Cybersecurity	4
REL 360G Religious Conflict and Peace-Building	4

Two area studies courses (8 credit hours)

HST/POL 344 Africa's Promise	4

	HST/POL 345G Contemporary Europe	4
	HST/POL 346G The Rise of Asia	4
	HST/POL 347G Russia and the former Soviet Union	4
	HST/POL 348 Problems of Developing Nations	4
	HST/POL 349G The Middle East	4
	ECN 390 Economies of the Asian Pacific Rim	4
Internship		
	POL 499 National Security Related Internship	4
Total		52

Mercyhurst courses		**UMU equivalent**	**Semester Hours**
INTL 500	Intelligence & Strategy	POL 275 Intelligence Analysis	
INTL 505	Open Source Intelligence	(Combine INTL 500 &505)	4
INTL 510	Theories & Application	POL 399 Special Topics	4
INTL 580	Communications	POL 399 Special Topics	4
INTL 540	Competitive Intelligence	POL 399 Special topics	4
INTL 576	Advance Law Enforcement	CRJ 399 Special Topics	4
INTL xxx	Elective	POL 399 Elective	4
Total			24

Legal Studies

The Legal Studies Minor is designed to provide all University of Mount Union students with the opportunity to become familiarized with this important academic field of study. The courses within this minor are not intended solely for students who are interested in attending law school. Rather it is intended to be more compatible with the liberal arts tradition of our University and a general understanding of the importance of law in our society. Legal issues have a profound impact on the lives of all our citizens and its influence continues to increase. Laws determine issues such as what types of speech and expression can be censored, whether a student or employee can be forced to take a drug or lie detector test, how issues of child custody are resolved, is an oral agreement a binding contract, what constitutes sexual harassment, what is the legal status of affirmative action, and can the police randomly stop drivers. At a time when laws are increasingly important in their scope and reach, it is important for students to understand the operation of our legal institutions, the source of our laws, and how to interpret and apply legal concepts. This minor is designed for all students who wish to gain an appreciation of this complex system.

Requirements for the Minor in Legal Studies

Required Courses:		Semester Hours
POL 200	Introduction to Law and the Legal System	4
POL 305	Constitutional Law	4
or		
POL 325	Civil Rights: Race, Gender, and Sexual Orientation Discrimination	4
Either one of the following:		
COM 227H	Persuasion and Argumentation	4
POL 320	Legal Advocacy	4
Four credits from the following:		
BUS 130	Legal Environment of Business	2
POL 202	Congressional Politics: Issues and Controversies	4
CRJ 301	Crime Investigation	4
CRJ 308	Criminal Procedure	4
CRJ 360	Investigative Interviewing	4
WRT 110H	Introduction to Professional Writing	4
Total		16

Note that students who are majoring in Political Science may not take POL 202 as their elective to complete the Legal Studies minor; they must choose from one of the other courses on the list of electives.

Political Science and Law (3+3 Prog. with U. of Akron, School of Law)

The University of Mount Union recognizes that certain students have the motivation, capacity and readiness to complete their undergraduate education and law degree training in an accelerated manner. The 3+3 Political Science and Law Program allows highly motivated students to complete all requirements for both an undergraduate degree in Political Science and a Juris Doctor Degree from the University of Akron School of Law in six years of full-time study, as opposed to the traditional seven-year period of study. Under the 3+3 Program, students will complete three years of full-time study at Mount Union immediately followed by three years of full-time study at Akron Law. During the fourth year of study, the student will become a full-time, first-year law student at the Akron Law campus rather than returning to the Mount Union campus for a "senior" year.

Admissions Requirements

Any student may apply for inclusion into the 3+3 Program by contacting the Department of Political Science and International Studies. Students participating in the 3+3 Program who have completed the Integrative Core requirements, math and world language proficiencies, completion of the minor requirement and successfully completed the Mount Union required courses listed below will be automatically admitted into Akron Law as long as the student:

- is in good standing academically, financially, and from a disciplinary perspective at Mount Union;
- satisfies the character and fitness standards required of all students admitted to Akron Law;
- scores at least 150 on the LSAT examination; and
- has an undergraduate grade point average of at least 3.40 by the mid-point of his or her junior year.

Admission to the 3+3 Program does not guarantee eventual acceptance to the law program by Akron Law. A student who does not gain admission to Akron Law through this Program will devote his or her fourth year to any remaining requirements of an undergraduate major.

Requirements for the BA/JD Program

Required Courses (at the University of Mount Union)		Semester Hours
POL 105S	U.S. Politics in Crisis: American Government, Politics, and Society	4
POL 120S	Conflicts in World Politics	4
POL 135	Living the Good Life: Political Philosophy and You	4
POL 200	Introduction to Law and the Legal System	4
POL 202	Congressional Politics	4
POL 203	American President: Power and Leadership in the 21st Century	4
POL 305	Constitutional Law	4
or		
POL 325	Civil Rights: Race, Gender, and Sexual Orientation Discrimination	4
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
Total		36

Sixteen additional credit hours, only eight of which can be in Political Science (with 4 credit hours in Political Science at the 200-level and 4 credit hours in Political Science at the 300-level). Note that students majoring in this Program will automatically receive a minor in Legal Studies based upon meeting the requirements for the major, i.e. following successful completion of their first year in Law School. Therefore, students are required to obtain an additional minor outside of Legal Studies during their course of study at the University of Mount Union. In the first year at the University of Akron School of Law, students will take the courses listed below that will be treated as transient credits toward the Mount Union degree. These 28 credits will count towards both the student's undergraduate degree as well as the student's law degree.

UMU Courses		UA Courses	Semester Hours
BUS 399	Business Law I	Contracts	4
BUS 399	Business Law II	Torts	4
CRJ 308	Criminal Law and Procedure	Criminal Law	3
POL 299	Civil Procedure I	Civil Procedure I	3
POL 299	Civil Procedure II	Civil Procedure II	3
POL 320	Legal Advocacy	Legal Analysis, Research, and Writing	3
POL 399	Property Law	Property	4
POL 400	Seminar in Political Science	Legislation & Regulation	4
Total			28

A student who elects to withdraw from the Akron Law Program or who fails to successfully complete the first year of law school may return, without reapplication to Mount Union, for completion of an undergraduate degree.

Political Science and Law (3+3 Program with Capital U. Law School)

The University of Mount Union recognizes that certain students have the motivation, capacity and readiness to complete their undergraduate education and law degree training in an accelerated manner. The 3+3 Political Science and Law Program allows highly motivated students to complete all requirements for both an undergraduate degree in Political Science and a Juris Doctor Degree from Capital University Law School in six years of full-time study, as opposed to the traditional seven-year period of study. Under the 3+3 Program, students will complete three years of full-time study at the University of Mount Union immediately followed by three years of full-time study at Capital University Law School. During the fourth year of study, the student will become a full-time, first-year law student at Capital University Law School campus rather than returning to the University of Mount Union campus for a "senior" year.

Admissions Requirements

Any student may apply for inclusion into the 3+3 Program by contacting the Department of Political Science and International Studies. Students participating in the 3+3 Program who have completed the Integrative Core requirements, math and world language proficiencies, completion of the minor requirement, and successfully completed the University of Mount Union required courses listed below will be automatically admitted into Capital University Law school, provided the student:

- is in good standing academically, financially, and from a disciplinary perspective at the University of Mount Union;
- has submitted a fully complete application to Capital University Law School in a timely manner;
- has submitted two academic letters of recommendation from members of the University of Mount Union faculty, with one of these letters written by the University of Mount Union Partnership Program advisor;
- satisfies the character and fitness standards required of all students admitted to Capital University Law School;
- scores at least the median of the prior year's entering class on the LSAT examination no later than June following their junior year of undergraduate studies;
- has an undergraduate cumulative grade point average at the University of Mount Union that ranks in the top half of the applicant's graduating class at Mount Union;
- has completed a minimum of 100 semester hours, at least 60 of which are in-residency at the University of Mount Union

Students who do not meet the conditions for admission listed above will, upon the recommendation of the University of Mount Union, be interviewed for admission to the Law School. The Capital University Law School may consider such students solely for admission on a case-by-case basis with the requirement to participate in the Academic Success Program (ASP) prior to the start of Law School.

Following the receipt by the Capital University Law School of all required admission materials, the Law School will review and arrive at an admission decision. The admissions committee of the Law School reserves the right to conduct an in-person interview of the 3+3 Partnership Program applicant when arriving at the admission decision.

Admission to the 3+3 Program does not guarantee eventual acceptance to the law program at Capital University. A student who does not gain admission to Capital University Law School through this program will devote their fourth year to any remaining requirements of an undergraduate major.

Requirements for the BA/JD Program

Required Courses (at the University of Mount Union)		Semester Hours
POL 105S	U.S. Politics in Crisis: American Government, Politics, and Society	4
POL 120S	Conflicts in World Politics	4
POL 135	Living the Good Life: Political Philosophy and You	4
POL 200	Introduction to Law and the Legal System	4
POL 202	Congressional Politics	4
POL 203	American President: Power and Leadership in the 21st Century	4
POL 305	Constitutional Law	4
or		
POL 325	Civil Rights: Race, Gender, and Sexual Orientation Discrimination	4
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
Total		36

Sixteen additional credit hours, only eight of which can be in Political Science (with 4 credit hours in Political Science at the 200-level and 4 credit hours in Political Science at the 300-level). Note that students majoring in this Program will automatically receive a minor in Legal Studies based upon meeting the requirements for the major, i.e. following successful completion of their first year at Capital University. Therefore, students are required to obtain an additional minor outside of Legal

Studies during their course of study at the University of Mount Union. In the first year at Capital University Law School, students will take the courses listed below that will be treated as transient credits toward the University of Mount Union degree. These 29 credits will count towards both the student's undergraduate degree as well as the student's law degree.

UMU Courses		Capital University Courses	Semester Hours
BUS 399	Business Law I	Contracts I	3
BUS 399	Business Law II	Contracts II	3
CRJ 308	Criminal Law and Procedure	Criminal Law	3
POL 299	Civil Procedure	Civil Procedure	3
POL 299	Torts I	Torts I	3
POL 320	Legal Advocacy	Legal Analysis, Research, and Writing I	2
		& Integrated Core Competencies	1
POL 299	Torts II	Torts II	2
POL 399	Property Law I	Property I	3
POL 399	Property Law II	Property II	3
POL 400	Seminar in Political Science	Legal Analysis, Research, and Writing II	2
		& Integrated Core Competencies	1
Total			29

The University of Mount Union will accept as transfer credits applicable to the Bachelor's degree up to 40 semester credits of course work take at the Capital University Law School in which the student received a grade of "C" or better. The University of Mount Union shall not accept as transfer credits any credits of course work awarded by the Law School in which the student received a grade of less than a "C." A student's undergraduate GPA for degree-granting purposes at the University of Mount Union will be the GPA at the end of the undergraduate phase of the undergraduate program; grades from the Capital University Law School are not transferrable to the University of Mount Union. Capital University Law School will not accept for transfer credit any course work taken at the University of Mount Union. A student's GPA at Capital University will be determined only based on courses for which credit is awarded by the Law School.

A student who elects to withdraw from the Capital University Law School Program or who fails to successfully complete the first year of law school may return, without reapplication to the University of Mount Union, for completion of an undergraduate degree.

Sociology

The primary mission of the sociology program is to provide a program through which students can develop the ability to scientifically study human social behavior. This includes understanding of core abilities, sociological knowledge, professionalization, personal enrichment, and community engagement.

Students who double major in Psychology, Neuroscience, or Human Development and Family Science may replace the SOC 365 requirement with PSY 222.

Requirements for the Major in Sociology

Required Courses		Semester Hours
SOC 100S	Introduction to Sociology	4
SOC 364	Social Science Research Methods I	4
SOC 365	Social Science Research Methods II	4
SOC 375	Sociological and Criminological Theory	4
SOC 490	Senior Culminating Experience	4
24 additional SOC semester hours (OR 20 additional SOC semester hours and PSY 235)		24
Total		44

Requirements for the Minor in Sociology

Required Courses		Semester Hours
SOC 100S	Introduction to Sociology	4
SOC 375	Sociological and Criminological Theory	4
Additional SOC hours		8
Total		16

University Honors

University Honors accepts incoming first-year students as well as current UMU student and transfers. The program offers qualified students a curriculum that emphasizes seminar-based discussion and the connections between academic pursuits, personal development, and service in several forms. The primary goal of the program is to deepen the students' understanding of, and ability to achieve, the elements of the University's mission: fulfilling lives, meaningful work, and responsible citizenship. Students who earn University Honors will be recognized during commencement, wear the University Honors honor cord at that ceremony, and receive a certificate of commendation from the Honors Program in a separate ceremony. For more information, contact the Honors Director via the Honors Program email at honors@mountunion.edu.

University Honors Curriculum

Honors General Education*		Semester Hours
HON 110	Honors First Year Seminar	4
HON 210	Honors Mission Seminar: Fulfilling Life	2
HON 220	Honors Mission Seminar: Meaningful Work	2
HON 230	Honors Mission Seminar: Responsible Citizenship	2

University Honors students must complete all three Honors Mission Seminars, in any order, after completion of HON 110, before the end of the junior year, and before HON 410. Completion of all three Honors Mission Seminars can substitute for one Explorations course.**

HON 410	Honors Capstone	4
Total Hours in University Honors		14

*University Honors scholars must complete the math and world language proficiencies as well as all IC requirements not covered by the University Honors curriculum, including Foundations courses, the Raider Foundations Portfolio, and one of the two Explorations courses required of all University of Mount Union students. Students who earn University Honors will be recognized during commencement, wear the University Honors honor cord during the commencement, and receive a certificate of commendation from the Honors Program in a separate ceremony.

** Students requiring more time to complete the Honors Mission Seminars, including transfer students and those who enter the Honors Program after the first year, may submit a request to the Honors Director for up to two additional semesters.

Department of Visual Arts and Media

The mission of the Department of Visual Arts and Media is to develop, produce, and maintain a curriculum and related activities that enable students to acquire a broad-based knowledge in the arts and media fields. The Bachelor of Arts degree in Art provides students with the essential skills, tools, and resources needed for personal interpretation and artistic expression. The Bachelor of Arts degree in Media combines the study of media and culture with the audio and video production skills necessary to succeed in media creation in a variety of professional setting.

Requirements for the Major in Art (Studio Concentration)

Foundation Art Sequence		Semester Hours
ART 110	Drawing I (Lecture/Studio)	3
ART 120	Visual Organization (Lecture/Studio)	3
ART 210	Figure and Form (Lecture/Studio)	3
ART 217	Graphic Design (Lecture/Studio)	3
Media Directed Sequence		
ART 215V	Values and Hues	4
ART 220	Sculpture I	4
ART 225	Printmaking I	4
ART 230	Painting I	4
Art History Sequence		
ART 250A	Art History Survey I	4
ART 251A	Art History Survey II	4
Senior Exhibition Sequence		
ART 300 level	Advanced Studio (any)	4
ART 425	ART SCE I – Applied Practice	2
ART 426	ART SCE II – Practices & Exhibition	2
Total		45

Possible advanced substitutions or additional credits: ART 494 Honors/Project Thesis SCE, ART 498 ART Internship (internal) SCE, or ART 499 Art Internship (external) SCE.

Requirements for the Major in Art (Visual Communication Design Concentration)

Required Courses		Semester Hours
ART 110	Drawing I (Lecture/Studio)	3
ART 217	Graphic Design (Lecture/Studio)	3
ART 260	Visual Web Design	4
ART 270	Typography I	4
ART 280	Brand Identity Design	2
ART 309	Raider Studio	4
Or		
ART/MKT/MDA	Internship	4
ART 425	ART SCE I – Applied Practice	2
ART 426	ART SCE II – Practices & Exhibition	2
CSW 123	Web Development Fundamentals	4
BUS-100	Intro to Business or Intro to Sport Business	2
Or		
SPB-100	Intro to Sport Business	4
MDA-132	Introduction to Media and Culture	2
MKT 220	Marketing Principles	4

If taking ART-110 or ART-217 to complete the IC Fine Arts (A) requirement, you must also take ART 253A Visual Analysis. This course is to coincide or sequentially follow completion of either ART-110 or ART-217.

Design Electives – 8 credits from the following:

ART 290	Emerging Media Design ^	2
ART 323	Motion Graphics ^ *	4
ART 350	Information Design ^ *	2
ART 355	Illustration *	4
ART 370	Typography II *	2
ART 299	Special Topics	2

Recommended for Visual Communication * or UX Design ^

Interdisciplinary Electives – 8 credits from the following:

ART 235	Photography *	4
CSW 223	Programming for Interactive Media ^	4
CSW 423	Interaction Design ^	4
MDA 150	Digital Storytelling I *	4
MDA 254	Content Creation for Social Media *	2
MDA 325	Digital Photography & Visual Storytelling	2
MKT 371	Integrated Marketing Communications *	4
MKT 395	Digital Marketing ^ *	2

Recommended for Visual Communication * or UX Design ^

Total 53-55 (33-37 in ART)

Possible advanced substitutions or additional credits: ART 494 Honors/Project Thesis SCE, ART 498 ART Internship (internal) SCE, or ART 499 Art Internship (external) SCE.

Requirements for the Major in Art (Art Education Concentration)

Foundation Art Sequence – Integrative Core A Eligible Courses		Semester Hours
ART 110	Drawing I (Lecture/Studio)	3
ART 120	Visual Organization (Lecture/Studio)	3
ART 210	Figure and Form (Lecture/Studio)	3
ART 217	Graphic Design (Lecture/Studio)	3

Media Directed Sequence (any two)

ART 220	Sculpture I	4
ART 225	Printmaking I	4
ART 230	Painting I	4

Digital Media Directed Sequence (any one)

ART 235	Photography I	4
ART 260	Visual Web Design	4
ART 270	Typography I	4

IC Explorations (Choose one)

ART 215V	Values and Hues	4
ART 351V	Modern Art History	4

Art Education Sequence

ART 245	Art Education Methods I	4
ART 345	Art Education Methods II	4
ART 346	Art Education Ceramics	4

Art History Sequence

ART 250A	Art History Survey I	4
ART 251A	Art History Survey II	4

Advanced Study Courses (two advanced courses highly recommended)

ART 310	Advanced Drawing	4

ART 320	Sculpture II	4
ART 330	Painting II	4
ART 350	Information Design	2
ART 370	Typography II	2
ART 335	Photography II	4
ART 425	ART SCE I – Applied Practice	2
ART 426	ART SCE II – Practice & Exhibition	2
Total		49

Possible advanced substitutions or additional credits: ART 494 Honors/Project Thesis SCE, ART 498 ART Internship (internal) SCE, or ART 499 Art Internship (external) SCE.

Minor in Art

A minor shall consist of 18 semester hours.

Requirements for the Minor in Art

Any two of the following Foundation Courses		Semester Hours
ART 110	Drawing I	3
ART 120	Visual Organization	3
ART 210	Figure and Form	3
ART 217	Graphic Design I	3

To complete the IC Arts Foundation requirement **ART 253A is required. The course is to coincide or sequentially follow completion of one eligible course: ART 110, ART 210, ART 120, ART 217.*

Choose 8 credits from the following 200 level Studio courses.

ART 215V	Values and Hues	4
ART 220	Sculpture I	4
ART 225	Printmaking I	4
ART 230	Painting I	4
ART 235	Photography I	4
ART 260	Visual Web Design	4
ART 270	Typography	4
ART 280	Brand Identity Design	2
ART 290	Emerging Media Design	2
ART 299	Special Topics	2

Choose 4 credits from the following Advanced Level Courses (prerequisites apply).

ART 309 Raider Studio	4
ART 310 Advanced Drawing	4
ART 320 Sculpture II	4
ART 323 Motion Graphics	4
ART 325 Printmaking II	4
ART 330 Painting II	4
ART 335 Photography II	4
ART 350 Information Design	2
ART 370 Typography II	2
Total	19

Requirements for Honors in Art

Students are eligible to enter the Honors Program in art if they have at least a 3.5 grade point average in the major or permission of the Honor Review Board. To receive honors in art, a student must have at least a 3.5 grade point average in the major at graduation and honors credit in courses that total a minimum of 12 semester hours. One of the courses may be ART 494 Honors Thesis/Project that may be taken for four to eight credit hours. For permission to register for an honors thesis/project, a completed Honors Application and Registration Form must be filed with the director of Honors Programs by the end of the twelfth week of

classes of the semester prior to doing the thesis. Students must earn at least a "B+" in the course to earn honors credit. Other courses students may take for honors in art include any courses at the 200 level or above. For permission to register for a course with honors in the major, a completed Application and Registration Form must be filed with the director of Honors Programs by the end of the third week of classes of the semester in which the course is taken. Students must earn at least a "B+" in the course to earn honors credit.

Major in Media

The Media major prepares students to be both critical audiences and skilled creators of media. Graduates will be equipped with technical abilities and creative expertise to produce dynamic content while understanding the role media plays in shaping society. The program combines hands-on production experience in media studios with a strong theoretical foundation, giving students a well-rounded education that applies to a variety of media fields. By emphasizing both practical production skills and critical analysis, students gain a broad base of knowledge and experience that will serve them well in the ever-evolving media landscape.

Requirements for the Major in Media

Required Media Courses		Semester Hours
MDA 102	Professional Presentation Essentials	2
MDA 132	Introduction to Media & Culture	2
MDA 150	Digital Storytelling I	4
MDA 231	Applied Media Research	4
MDA 254	Content Creation for Social Media	4
MDA 256	Production Design	4
MDA 325	Digital Photography & Visual Storytelling	2
MDA 335	Digital Media, Law and Policy	4
MDA 346	Digital Storytelling II	4
MDA 372	Internet & Society	4
MDA 499	Internship	2

Choose One Diversity Course:

COM 200G	Global & Intercultural Communication	4
COM 386G	Public Advocacy for Social Justice	4
MDA 430	Film Theory & Media Criticism	4

Courses listed in italics are required for the Integrative Core program.

Choose two from:

MDA 403	Documentary ~~Film~~ Media Production	4
MDA 425	Story Lab: Digital Journalism	4
MDA 430	Film Theory & Media Criticism	4
MDA 440	Media, Money & Moguls	4
MDA 446	Creative Visual Storytelling	4

Media Majors are encouraged to explore elective courses in Online & Social Gaming and Sports Media.

Total	48 (44 Media)

Requirements for the Minor in Media

Students interested in media should take MDA 132 Introduction to Media and Culture (2-cr) and an additional 14 credits from courses among the following:

MDA 150	Digital Storytelling I	4
MDA 231	Applied Media Research	4
MDA 254	Creating Content for Social Media	4
MDA 256	Production Design	4
MDA 325	Digital Photography & Visual Storytelling	2
MDA 335	Digital Media, Law and Policy	4
MDA 346	Digital Storytelling II	4

MDA 372	Internet & Society	4
MDA 403	Documentary Media Production	4
MDA 425	Story Lab: Digital Journalism	4
MDA 430	Film Theory & Media Criticism	4
MDA 440	Media, Money & Moguls	4
MDA 446	Creative Visual Storytelling	4
MDA 483	Global Media	4

Minor in Online and Social Gaming

The minor in Online and Social Gaming is designed to prepare students for careers in the rapidly evolving interactive entertainment industry, with a focus on social gaming platforms, live streaming, and digital community engagement. This program combines theoretical knowledge with practical skills in gaming, content creation, and digital marketing to equip students for success in this dynamic field. Students will develop expertise in streaming technologies, content production, audience engagement, and event management while gaining valuable insights into the business aspects of the gaming industry.

Requirements for the Minor in Online and Social Gaming

Required Core Courses (10 credit hours):

MDA 136	Digital Gaming Through the 21st Century	2
MDA 146	Interactive Media Production	2
MDA 236	Interactive Media	4
MDA 436	Online and Social Gaming Capstone/Internship	2

Elective Courses (minimum 9 credit hours):

MDA 132	Introduction to Media and Culture	2
MDA 150	Digital Storytelling I	4
MDA 254	Creating Content for Social Media	4
PRN 150	Strategic Public Relations 1	2
ART 217	Intro to Graphic Design	3
MKT 220	Marketing Principals	4
MKT 370	Consumer Behavior	4
MKT 371	Integrated Marketing Communication	4
MKT 372	Marketing Research	4
MKT 395	Digital Marketing	4
BUS 100	Introduction to Business	4
ENT 150	Intro to Entrepreneurship	4
MTH 123	Elementary Statistics	3
SPB 100	Intro to Sport Business	4
SPB 210	Analytics, Business Intelligence & New Media in Sport	4
COA 310	Psychology of Coaching	4

Total 19

Major in Sport Media

Requirements for the Major in Sport Media

Required Media Courses		Semester Hours
MDA 102	Professional Presentation Essentials	2
MDA 132	Introduction to Media & Culture	2
MDA 150	Digital Storytelling I	4
MDA 155	Sport Media Foundations	4
MDA 236	Sport Media Production	4
MDA 335	Digital Media, Law and Policy	4
MDA 397	Fan Engagement and Experience	4
MDA 470	Sport Media Research and Analysis	4
MDA 499	Internship	4
SPB 100	Intro to Sport Business	4
SPB 210	Analytics, Business Intelligence and New Media in Sport	4
SPB 275	Sport Journalism in the Digital Age	4

Take two .5 credit hour practicums		1
Take one of the following:		
MDA 346	Digital Storytelling II	4
SPB 330	Public Relations and Marketing of Sport	4
SPB 350	Sport Event and Venue Management	4
Total		49

Department of World Languages and Cultures

The Department of World Languages and Cultures supports the liberal arts philosophy of the University and furthers its mission by providing students the opportunity to broaden their perspectives humanistically and pragmatically. Through the study of world languages, literatures, and cultures, students develop the flexibility of mind essential to meet the demands of a pluralistic society and an ever-changing global marketplace.

The world language majors in French, Japanese, and Spanish prepare students for careers where an understanding of a world language and culture is needed, such as in business, government, social work, and law, as well as for graduate study and the teaching profession. World language majors have the opportunity to complete a University-approved study abroad experience. Teacher candidates must meet the requirements of the University of Mount Union and the Ohio Department of Education for teacher licensure in French, Japanese, or Spanish.

The Department of World Languages and Cultures is committed to the effective use of competent, professionally trained faculty with advanced-level graduate training and research in the teaching of world languages at the university level. Additionally, the Department recognizes the value of technology as an enhancement in the language-learning process.

Native speakers of world languages offered at the University of Mount Union who wish to enroll in a course in their native language are encouraged to enroll in an upper-level content (not a skills) course such as literature and culture. Such students should seek the advice of the instructor or the department chair if they have questions about which course to take. All courses are taught primarily in the target language unless otherwise indicated in the course description.

Students wishing to receive CLEP credit in a language offered at Mount Union must take the CLEP examination prior to completing a course in that target language at Mount Union or at another college/university. Once a student has completed the target language course, CLEP credit cannot be awarded in that language.

The World Language Proficiency Requirement

As a graduation requirement, all Mount Union students must demonstrate proficiency in a modern world language equivalent to the satisfactory completion of a 102-level course. Students can demonstrate proficiency in a modern world language by choosing one of these options:

- Passing an approved examination administered by the Department of World Languages and Cultures;
- Providing an AP score of 3;
- Providing a CLEP score of 50;
- Providing a Seal of Biliteracy for a modern world language;
- Completing course work in a modern world language at Mount Union or at another accredited university at or above the 102 level.

Entering students who present a State Seal of Biliteracy in a modern world language may be awarded credit per Mount Union policy. General conditions of transferring credit also apply here, regardless of credit earned through the State Seal of Biliteracy program.

International degree-seeking students whose native language is not English can satisfy the world language proficiency requirement in one of the above-mentioned ways, or by

- Presenting a TOEFL score of 4.5 or higher or,
- Presenting an IELTS score of 6.5 or higher or,
- PTE Academic score of 55 or higher or,
- Duolingo English Test score of 100 or higher or,
- MELAB score of 80 or higher or,
- ACT (English Version) score of 21 or higher or,
- SAT (Evidence-based and Critical Thinking and Writing) score of 590 or higher or,
- Completion of ELS Language Center level 112 or,
- Completion of secondary school and/or college credit in a country where English IS the first language or,
- Completion of secondary school and/or college credit in a country where English is not the first language or
- Satisfactorily completing an ESL course at the 110 level or higher. English as a Second Language Administered by the Department of World Languages and Cultures, courses in English as a Second Language (ESL) are offered, but no major or minor is given in this area of study. The courses offered are provided especially for those international students who require additional English language study or who need to meet the academic demands of the University. ESL courses are considered remedial courses for international degree-seeking students. International students who take ESL courses may not apply those credits toward graduation.

Proficiency Examinations

The Department of World Languages and Cultures offers proficiency examinations to allow students to meet graduation requirements and/or to be placed in higher level courses. These examinations demand more than an elementary acquaintance with course material. The student must have solid command of the concepts and problem-solving skills for the topic and therefore should attempt a proficiency examination only after proper study and preparation.

Students that have enrolled and received a grade for a course at the University of Mount Union where a proficiency examination exists cannot take the topic specific proficiency examination to meet requirements for understanding the course content. A topic specific proficiency examination can only be taken once.

Deadline for students to take the placement test is by the time designated by the Department of World Languages and Cultures each semester.

The deadline to take proficiencies in the Department of World Languages and Cultures is the Wednesday before Fall Break (Fall semester) and the Wednesday before Spring Break (Spring semester).

English as a Second Language

Administered by the Department of World Languages and Cultures, courses in English as a Second Language (ESL) are offered, but no major or minor is given in this area of study. The courses offered are provided especially for those international students who require additional English language study or who need to meet the academic demands of the University. ESL courses are considered remedial courses. Students who take ESL courses may not apply those credits toward graduation.

Requirements for the Major in French, Japanese, or Spanish

The major in French, Japanese, or Spanish consists of 32 or 30 semester hours of study in the target language, depending on the student's point of entry into the program. Students who have passed the Mount Union proficiency test or begin coursework at the 201-level or higher must complete 30 semester hours. Those who begin at the 101- or 102-level must complete 32 semester hours. Students who study abroad, regardless of entry point into the program, will complete 30 semester hours for the major. STA 200 may count toward total hours for the major for those students who study abroad.

A minimum GPA of 2.5 is required for participation in most Mount Union study abroad programs. Certain other programs require a minimum of 3.0 or 3.33. The Teacher Licensure Program requires a minimum GPA of 2.5 for admittance. Licensure is available in French, German, Japanese, and Spanish. Students desiring teacher licensure need to take additional courses as per state requirements. Additionally, licensure students must complete a minimum of one semester (Fall or Spring) or two summer sessions in a department-approved study abroad program. Candidates seeking a teaching licensure in French, German, Japanese, or Spanish must earn a grade of "C" or better in FRN/GRN/JPN/SPN 385 and FRN/GRN/JPN/SPN 386. If a minimum grade of "C" is not earned, the candidate is required to retake the course until a grade of "C" or better is earned.

Requirements for the Minor in French, German, Japanese, or Spanish

The minor in French, German, Japanese, or Spanish consists of 16 or 20 semester hours of study in the target language, depending on the student's point of entry into the program. Students who have passed the Mount Union proficiency test or begin coursework at the 201-level or higher are required to complete 16 semester hours. Those who begin at the 101- or 102-level must complete 20 semester hours. Students who minor in French, German, Japanese, or Spanish and complete a minimum of 4 semester hours in a department-approved study abroad program are required to complete 16 semester hours. STA 200 may count toward total hours for the minor for those students who study abroad.

Requirements for the Minor in Foreign Language

The minor in Foreign Language (FLN) is offered in any language for which sufficient coursework is not available at the University of Mount Union. It consists of 20 semester hours of study in a single modern language. Courses for the minor in Foreign Language must be taken at Mount Union, if available, or through coursework at another accredited university or through a university-approved study abroad program. Students who minor in Foreign Language and complete a minimum of 4 semester hours in a department-approved study abroad program are required to complete 16 semester hours. STA 200 may count toward total hours for the minor for those students who study abroad. 8 semester hours of the minor must be completed at Mount Union; transfer, transient, and consortial courses cannot count toward those 8 semester hours.

Medical Spanish

The minor in Medical Spanish consists of 16 or 20 semester credit hours of study in Spanish, depending on whether or not the student studies abroad. Students who study abroad in a Spanish-speaking country are required to complete only 16 semester hours. Those who do not study abroad must complete 20 semester hours. Students who study abroad may substitute an equivalent course for any of these required or elective courses. Students who elect this minor will obtain sufficient reading, writing, listening, and speaking skills in Spanish suitable for medical practitioners who interact with Spanish-speaking patients.

Requirements for the Minor in Medical Spanish

Required Courses		Semester Hours
SPN 208	Medical Spanish I	2
SPN 209	Medical Spanish II	2
SPN 309	Conversational Spanish for Medical Practitioners I	2
SPN 310	Conversational Spanish for Medical Practitioners II	2

And Any Three from the Following if not studying abroad or Two from the Following if studying abroad:

SPN 302	Spanish for the Professions	4
SPN 304	Spanish Across the Curriculum	4
SPN 305	Translating Spanish	4
SPN 401	Advanced Special Topics	4

Total	16-20

Additional Minors

Military Science Leadership

Requirements for the Minor in Military Science Leadership

ROTC Courses		Semester Hours
MSL 180	Introduction to Leadership I	1
MSL 185	Introduction to Leadership II	1
MSL 190	Leadership Seminar I	0
MSL 280	Leadership Assessment I	2
MSL 285	Leadership Assessment II	2
MSL 290	Leadership Seminar II	0
MSL 360	Leadership Development	2
MSL 370	Organizational Leadership	2
MSL 390	Leadership Seminar III	2
MSL 460	Military Management and Ethics	2
MSL 470	Professional Military Officer, Management and Law	2
MSL 490	Leadership Seminar IV	2
Total		18

UNIVERSITY of MOUNT UNION

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Course Descriptions

UNIVERSITY OF MOUNT UNION

Course Descriptions

All-University Courses

An institutional commitment across the entire curriculum has led to the establishment of several universal course designations with common descriptions. The following course descriptions have been established for all departments.

199 Special Topics.
A course designed to permit the offering of special subjects appropriate to the program of the department. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Lower divisional offerings will be listed as 199. Regular or frequently recurring topics are not offered under this title. Prerequisite: permission of the instructor. May be repeated as new topics are presented. Credit variable, 1-4 Semester Hours.

299 Special Topics.
A course designed to permit the offering of special subjects appropriate to the program of the department at the sophomore level. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Regular or frequently recurring topics are not offered under this title. Prerequisite: as established by the department. May be repeated as new topics are presented. Credit variable, 1-4 Semester Hours.

399 Special Topics.
A course designed to permit the offering of special subjects appropriate to the program of the department. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Upper divisional offerings will be listed as 399. Regular or frequently recurring topics are not offered under this title. Prerequisite: permission of the instructor. May be repeated as new topics are presented. Credit variable, 1-4 Semester Hours.

494 Honors Thesis/Project.
A research/project course designed to meet the needs of the individual student seeking honors in the major at graduation. Prerequisites: junior or senior standing, and approval of the instructor, the department chair and the Honors Review Board. Credit variable, 4-6 Semester Hours.

498 Internships (Internal)*
Students are provided with a significant learning experience outside the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. Taken under Satisfactory/Unsatisfactory grade option only. Credit variable, 1-16 Semester Hours.

499 Internships (External)*
Through the cooperation of agencies and businesses in the vicinity of the University, students are provided with a significant learning experience outside of the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. The basis of determining the grade for the program will be given in the contract and will include an evaluation by the supervisor at the organization where the internship work is done, an assessment by the internship faculty advisor, and a written report of the internship experience submitted by the student. Prerequisites will vary with the internship. Participation is by petition to the chair of the department. Taken under Satisfactory/Unsatisfactory grade option only. Credit variable, 1-16 Semester Hours.

*Note: For internships, a maximum of 16 semester hours of courses numbered 498 or 499 will be counted toward the 120 hours required for graduation. These 16 semester hours can be spread over as many semesters as a department may approve. All majors will consist of a minimum of 28 semester hours of coursework, exclusive of "498" or "499." All minors will consist of a minimum of 16 semester hours of coursework, exclusive of "498" or "499." Credit for internship hours will be in addition to these minimum hours for the major and minor. International students must complete the mandatory forms for academic internships (CPT/OPT) through the Office of International Student Affairs.

Extended Courses

An extended course is a course scheduled to require two consecutive semesters to complete. Students must be registered for part of the total credit in each of the two semesters. An "IP" (in progress) will be assigned to the transcript at the end of the first semester. At the completion of the course an appropriate single letter grade will be assigned for the entire course, thus replacing the interim IP. Deadlines for special options (dropping the course, conversion to S/U, etc.) are extended until the drop/add period of the second semester in which the course is active.

General University Courses

JMP 100 Summer Jumpstart Bridge Program
This course is designed for those students who take part in the Summer Bridge Program only. 2 Semester Hours.

STA 200 Special Topic: Unpacking Study Abroad
This course is open to students who have returned from study abroad. Students will learn how to integrate the study abroad experience into their professional and personal lives and apply international skills to the global workplace. Prerequisite: Completion of a study abroad experience. 2 Semester Hours.

UMU 100 Raiders Rise
This course is part of an academic support plan designed to help students reach their full potential. Through intentional action steps, students will develop the skills, habits, and behaviors needed to strengthen both their abilities and their confidence. The course will prepare them for success in their current University classes while also laying the foundation for lifelong learning and achievement beyond the classroom. Students will gain the tools and resources necessary to meet University expectations and manage the demands of campus life. In addition, the course includes a one-hour study table each week to help students stay organized, focused, and on track in their other classes. Can be repeated for credit but cannot earn credit more than three times. 1 Semester Hour.

UMU 150 Pop Up Courses
Pop Up courses are short, extra-curricular workshops that offer students an opportunity to engage in material or activities not covered in traditional curriculum. May only be repeated for change of grade if same pop-up course is offered. A maximum of 4 semester hours of pop-up courses may be taken in each semester. Topics and instructors vary. 1 Semester Hour.

UMU-499 CALI Professional Experience
Through the Center for Applied Learning and Industry (CALI), students earn professional experience credit by engaging in real-world consulting projects with community and industry partners. Students gain practical experience in strategy development, client communication, and project execution while building a professional portfolio of applied work. Credit is tied to supervised hours, measurable outcomes, and structured reflection. Graded S/U. 1-4 Semester Hours.

Accounting

ACC 205 Financial Accounting
Study of the accounting cycle and generally accepted accounting principles including the preparation and analysis of financial statements. Typically offered fall and spring semester. Prerequisite: Sophomore standing or permission of the instructor. 4 Semester Hours.

ACC 207 Managerial Accounting I
Introduction to the fundamental concepts of managerial accounting. There is an emphasis on product costing, operational budgeting and planning, cost reporting and control and analytical tools used by management. Prerequisite: ACC 205. 2 Semester Hours.

ACC 208 Managerial Accounting II
This course is a continuation of ACC 207. There is an emphasis on alternative cost allocation techniques, cost variances, cost control, and profit planning. Prerequisite: ACC 207. 2 Semester Hours.

ACC 305 Federal Taxation I
A theoretical and practical introduction to the study of federal income tax law with emphasis on federal taxation related to the individual. Emphasis on tax theory with return preparation used to illustrate theory. Topical coverage includes filing status, rules for dependency, the concept of income as it relates to taxes, deductible expenses, computation of tax credits, and tax rules involving property transactions. Overview of the sources of tax authority. Typically offered fall and spring semesters. Prerequisites: minimum grade of C in ACC 205; Junior standing. 4 Semester Hours.

ACC 310 Intermediate Accounting I
The theoretical foundations of accounting; intensive study of concepts and applications in accounting for cash, investments, receivables, inventories, operational and intangible assets and liabilities, with emphasis on U.S. Generally Accepted Accounting Principles and comparisons to International financial reporting standards. Typically offered fall semester. Prerequisites: ACC 207 and ACC 208. 4 Semester Hours.

ACC 311 Intermediate Accounting II
A continuation of intermediate accounting including intensive study of debt securities, corporate equity accounts, earnings per share, investments, revenue recognition, income taxes, pensions, leases, accounting changes, cash flows, and financial statement disclosures with emphasis on U.S. Generally Accepted Accounting Principles and comparisons to international financial reporting standards. Typically offered spring semester. Prerequisite: ACC 310. 4 Semester Hours.

ACC 330 Auditing
A study of audit objectives, principles, standards and procedures for conducting an examination of the financial statements and related accounting records of a business enterprise. Attention is given to current releases of the auditing standards board, the public company accounting oversight board, the international auditing and assurance standards board and the Securities and Exchange Commission. Professional ethics, legal liability, other assurance, and non-assurance services will also be covered. Typically offered in the fall semester. Prerequisites: ACC 311. 4 Semester Hours.

ACC 345 Advanced Cost Accounting
In-depth study of pricing decisions and cost management; strategic profitability analysis; cost allocation for joint products and byproducts; quality, time and theory of constraints; process costing; management control systems, transfer pricing and multinational considerations. Class typically participates in a service learning project. Prerequisites: ACC 207 and ACC 208. Typically offered spring semester. 4 Semester Hours.

ACC 445 Advanced Accounting
Accounting theory and practice involving complex business transactions. Areas of study include partnerships, branch offices, business mergers and acquisitions, financial reporting by multinational enterprises, segment and interim reporting, and SEC reporting. Emphasis on ethical issues in accounting practice. Recommended for students intending to pursue CPA certification. Typically offered fall semester. Prerequisite: ACC 311. 4 Semester Hours.

ACC 450 Federal Taxation II
Study of current federal income tax law pertaining to tax reporting entities other than individuals. This includes tax planning and compliance for partnerships, C corporations, S corporations, trusts and estates. Also includes the fundamentals of researching tax law and reference materials and application of tax research techniques to selected cases. Typically offered spring semester. Prerequisite: ACC 305 with minimum grades of C. 2 Semester Hours.

ACC 454 Seminar in Accounting
A series of in-depth studies of various topics in accounting. Typical topics are forensic accounting, accounting for governmental and non-profit organizations and international accounting. Class typically participates in a service learning project. Note: Not all topics will be offered every year. Typically offered fall semester. Prerequisite: Open to junior and senior accounting majors or minors. 4 Semester Hours.

ACC 455 Accounting Issues
The study of current and relevant developments in accounting theory and practice including generally accepted accounting principles as covered in the financial accounting standards board's accounting standards codification. Ethical issues in accounting will be discussed. Students will present papers orally and in writing on relevant issues. A major project also will be included in which the students will be required to use a general ledger software program in forming and accounting for a hypothetical business starting with the proprietorship form and progressing through a corporation. This course has been designated as the Senior Culminating Experience for individuals with a major in accounting. Typically offered spring semester. Prerequisite: ACC 311, ACC 330 and senior standing or permission of the instructor. 4 Semester Hours.

ACC 494 Honors Thesis/Project
See All-University 494 course description.

ACC 499 Internship in Accounting
An experience based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host

internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Graded S/U. Prerequisite: ACC 208 and ACC 310. 1-16 Semester Hours.

Africana Studies

AFR 150H Africana Worlds: From the Atlantic Slave Trade to #BLM
Jazz? Gumbo? Blues? Zombies? Are all these things like one another? All are cultural forms emerging from the slave trade and the African diaspora. Africana Worlds is a broad introduction to Africana Studies as an interdisciplinary field of study devoted to the historical, cultural, social and political legacies and subjective consequences of the African diaspora with its dispersal of African peoples across the globe through the slave trade(s) – Atlantic, Indian Ocean, Saharan—the largest forced migration in human history. Students will engage with the origins and history of the discipline and its methodology as grounded in cultural theory and Africana philosophy as well as pertinent disciplinary approaches to issues of philosophy and theory, culture and ideology, aesthetics and specific cultural practices. 4 Semester Hours.

AFR 199 Special Topics in Africana Studies
See All-University 199 course description.

AFR 260G Rap and Rhetoric of the Hip-Hop Generation
A critical study of the impact and influence of the messages in hip-hop music and culture on identity construction. This course is designed to introduce students to the history of hip-hop culture and to analyze and critique the messages disseminated through various genres of hip-hop, lyrics and videos. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

AFR 299 Special Topics in Africana Studies
See All-University 299 course description.

AFR 308G Still We Rise: Pivotal Africana People and Movements
This course focuses on the lives and contributions of significant figures in Africa and the African diaspora in the humanities, the natural and social sciences, and the arts. The course also examines the important places for people of African descent and movements which have contributed immensely to the lives of people of African descent throughout the diaspora. Students will become familiar with the personalities, places, and movements that mark the history and development of people of African descent and their impact on and contributions to the global community. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

AFR 326G Black Diaspora Culture
An introduction to diasporic culture as a distinctive and dynamic phenomenon emerging from Pan-African experiences of peoples of the African diaspora, grounded in and driven by "the folk" and folk experiences. Particular attention to interdisciplinary answers to the question: "what kinds of cultural practices developed and continue to develop out of an African in design, diasporic in origin global migration?" with attention to visible "high" culture – painting, sculpture, music – and invisible "low" or "popular" culture – quilting, cooking, hair. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

AFR 346V Imagining Slavery
An interdisciplinary introduction to the "peculiar" institution of slavery in the Americas, Africa and Asia and its consequences for contemporary Africana identity(ies) and culture(s). Core focus is "the singular landscape" resulting from life in both New and Old Worlds where freedom and liberty are defined in the context of enslavement and devastating racial oppression. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

AFR 399 Special Topics in Africana Studies
See All-University 399 course description.

AFR 406 Independent Study in Africana Studies
Select topics in Africana Studies with an emphasis on independent inquiry, writing and research methodologies. Prerequisite: Junior or senior standing. 2-4 Semester Hours. variable credit.

Art

ART 100A Introduction to Art
A general introduction art for students not majoring or minoring in art. This course will provide students with a broad perspective of the theories, techniques, and practices of the visual arts, design, crafts, architecture and art history. 4 Semester Hours.

ART 110 Drawing I
An introduction to the theories, techniques, and practices of representational drawing with an emphasis on the application of design principles to the means of drawing as a form of personal expression. The successful student will be able to demonstrate an ability to render objects in space with a logical and plausible light source effect. 3 Semester Hours.

ART 120 Visual Organization
This course is a basic introduction to the fundamentals of two-dimensional and three-dimensional visual organization and design. Through lectures, written assignments, demonstrations, studio projects, and critiques students will explore visual problem solving and the concepts embedded in the production of two-dimensional and three-dimensional artwork. Assignments will encourage students to develop technical proficiency with a variety of traditional materials as well as new media. 3 Semester Hours.

ART 210 Figure and Form
The human figure is used as the primary subject for investigating structural and expressive problems related to the fundamentals of drawing. The course alternates between gestural and methodical approaches to working from the model that ensure students draw with both energy and accuracy. Lectures, demonstrations, studio projects, and critiques will encourage students to increase their technical proficiency while exploring the potential of drawing as a vehicle for creative expression. 3 Semester Hours.

ART 215V Values and Hues
This course provides students with a comprehensive introduction to the expressive and decorative aspects of color. This course is a continuation of Design I with an emphasis on color organization and color effects in spatial systems. Through lectures, visual presentations and numerous studio projects students will become familiar with the terms and vocabulary associated with color theory, develop the techniques needed to mix colors, and experiment with the application of color to different two-dimensional and three-dimensional surfaces. Explorations prerequisite: Successful completion of all four Foundations courses or the Raider Foundations Portfolio. Explorations credit may only be earned for a course if this prerequisite is completed prior to the commencement of the course. 4 Semester Hours.

ART 217 Graphic Design
This course is an introduction to the design discipline. Students will learn how to use the design process as an approach to problem solving and visual communication. Through exercises, lectures, and studio projects, students will gain a foundational understanding of design principles such composition, typography, and color. Current professions in the industry will be explored as well as contemporary tools used in design practice. 3 Semester Hours.

ART 220 Sculpture I
This course is a comprehensive introduction to sculptural processes and concepts. Through lectures, written assignments, demonstrations, studio projects, and critiques students will explore visual problem solving and the concepts embedded in the production of three-dimensional works of art. Students will work with both additive and subtractive processes and gain experience in working with a variety of traditional materials as well as new media. 4 Semester Hours.

ART 225 Printmaking I
Printmaking I: This course provides the beginning student with a broad introduction to a range of basic printmaking techniques including monotype, relief, and intaglio. The course will survey the historical and contemporary trends in printmaking. Studio projects will emphasize creative and critical thinking, craftsmanship and conceptual development. 4 Semester Hours.

ART 230 Painting I
This course is an introduction to the basic skills, tools, materials and techniques used in painting. Students will paint from direct observation using the still-life, human form and landscape as reference. Emphasis is on solving the problems of representing form in space by applying the elements of composition, value, perspective and color. Topics include demonstrating various painting techniques, preparing painting supports, and composing objects and environmental subjects for observational reference. Group and individual critiques are an essential component of this course. 4 Semester Hours.

ART 235 Photography I
A course of study with the general goals of enabling students to take, edit and present improved photographs, to enable students to continue to grow as photographers over a lifetime, and, to appreciate the photographers and works that are considered significant.

A DSLR/SLR type camera with manual controls (available) is required. Successful students will be able to achieve better results through the study of the timeless concepts of film heritage such as shutter speed, aperture, exposure, ISO settings, filters, meters. Editing will be done in Photoshop, and the works are to be professionally presented in critiques and portfolios. Students with previous experience in the traditional "wet" darkroom and or design are welcome. Assessment is based on attendance in class and shooting trips, mastery of techniques, submitted on-time assignments, and artistic quality of the photographs. 4 Semester Hours.

ART 240 Graphic Design II
This course expands on the concepts of Intro to Graphic Design. Through studio projects, students will explore graphic systems and problem solving with design. An emphasis will be placed on refining design process, concept development, visualization of problems and solutions, and the correlation of forms with content and function. Prerequisites: ART-217. 4 Semester Hours.

ART 245 Art Education I - Materials and Methods for Art Education
This course provides pre-service art teachers with the knowledge of processes, materials, student development, and application of the state standards for K-12 art teaching. Students will begin to prepare a Portfolio showing their understanding of students, learning, teaching, and the various materials and methods needed for artistic and creative development. Studio experiences are included. 4 Semester Hours.

ART 250A Art History Survey I
This course provides a general survey of painting, sculpture, and architecture from the Pre-historic to the Gothic era in Western and Non-Western cultures. The course content will examine the context of style and era, with consideration of social, economic, political and religious issues. The intention is to provide a knowledge base that gives students a sense of connection with the past and a framework of understanding the roots of our cultures. 4 Semester Hours.

ART 251A Art History Survey II
This course provides a general survey of painting, sculpture, and architecture from the Renaissance to the Modern Era in Western and Non-Western cultures. The course content will examine the context of style and era, with consideration of social, economic, political and religious issues. The intention is to provide a knowledge base that gives students a sense of connection with the past and a framework of understanding the roots of our cultures. 4 Semester Hours.

ART 253A Visual Analysis
This lab completes the Integrated Core Fine Arts Foundation written and oral communication requirements for eligible ART prefixed courses. It can be taken concurrently or upon completion of one of the eligible courses. These courses include: ART 110 Drawing 1, ART 120 Design 1, ART 210 Figure and Form, ART 217 Intro to Graphic Design. Students are responsible for the substantive and topical information derived from one of the eligible courses. This information would include any notes, written studio art summaries, relevant research materials, referenced artists/designers and other suggested sources. This lab serves as an impetus to reflect on the studio experiences, formalize the knowledge, and incorporate terminology into well documented and thoughtful oral presentations and written assignments. This course alone cannot fulfill a Fine Art Foundation requirement. Prerequisite or concurrent enrollment required from one of four eligible courses: ART 110 Drawing 1, ART 120 Design 1, ART 210 Figure and Form, ART 217 Intro to Graphic Design. 1 Semester Hour.

ART 260 Visual Web Design
Through this studio course, students will learn to design effective and appealing web pages. Through projects and supplemental lectures, students will become familiar with the web design process, foundational interaction design principles, and industry standard tools for prototyping web pages and apps. Alongside visual design, students will practice skills such as information architecture, wireframing, and user testing. Prerequisites: ART 217 or CSW 113. 4 Semester Hours.

ART 270 Typography I
It is unlikely you will go through any day without interfacing with typography of some sort. It is the way language looks and is foundational to communication. It can serve as structured information or as abstract, expressive material. No matter your goals, getting a grasp on the principles of typography can help you communicate more clearly, become more creative, and better appreciate the designed world around you. Prerequisite: ART 217. 4 Semester Hours.

ART 280 Brand Identity Design
This course integrates key principles of marketing and communication with the implementation of design systems. Students will identify value propositions and target markets and create visual identity systems to match—including logos, colors, typography, and more. Students will apply their identities across a variety of media through deliverables such as social media campaigns, packaging, and marketing materials. Prerequisite: ART 270. 2 Semester Hours.

ART 290 Emerging Media Design
Emerging Media Design introduces students to evolving tools, platforms, and production methods shaping contemporary visual communication. Topics vary by semester. Examples include 3D modeling, creative coding, augmented reality, and generative AI. Prerequisites: ART 217 and CSW 123. 2 Semester Hours.

ART 309 Raider Studio
This course is a client-centered design studio focused on solving complex, real-world problems through strategic communication, collaborative teamwork, and iterative design. Students will work with campus, non-profit, or community partners to develop branding, digital content, campaigns, or interactive experiences that align with client needs. Emphasis is placed on project scoping, collaboration, professional conduct, and design process management. Prerequisite: ART 280 or MKT 220 or MDA 256. 4 Semester Hours.

ART 310 Advanced Drawing
This is an advanced-level drawing course designed to afford students opportunities to develop skills using materials and techniques they may not have worked with in previous Drawing courses. Historical and contemporary issues will be investigated with an emphasis on personal growth and the development of self-exploration and creative expression. This course is structured to enable students to further their abilities in Drawing with the specific content of the course to be developed in consultation with the professor. Prerequisite: ART 110. (ART 120 and ART 215V are strongly recommended but not required). 4 Semester Hours.

ART 320 Sculpture II
This is an advanced-level Sculpture course designed to afford students opportunities to develop skills using materials and techniques they may not have worked with in previous Sculpture courses. Historical and contemporary issues will be investigated with an emphasis on personal growth and the development of self-exploration and creative expression. This course is structured to enable students to further their abilities in Sculpture with the specific content of the course to be developed in consultation with the professor. Prerequisite: ART 220. 4 Semester Hours.

ART 323 Motion Graphics
This course focuses on the principles of motion graphics and animation. Students will refine their application of sequence, pace, and narrative in visual communication by creating time-based compositions.
Prerequisites: ART 270. 4 Semester Hours.

ART 325 Printmaking II
This is an advanced-level Printmaking course designed to afford students opportunities to develop skills using materials and techniques they may not have worked with in previous Printmaking courses. Historical and contemporary issues will be investigated with an emphasis on personal growth and the development of self-exploration and creative expression. This course is structured to enable students to further their abilities in Printmaking with the specific content of the course to be developed in consultation with the professor. Prerequisite: ART 225. 4 Semester Hours.

ART 330 Painting II
This is an advanced-level Painting course designed to afford students opportunities to develop skills using materials and techniques they may not have worked with in previous Painting courses. Historical and contemporary issues will be investigated with an emphasis on personal growth and the development of self-exploration and creative expression. This course is structured to enable students to further their abilities in Painting with the specific content of the course to be developed in consultation with the professor. Prerequisite: ART 230. 4 Semester Hours.

ART 335 Photography II
This is an advanced-level Photography course designed to afford students opportunities to develop skills using materials and techniques they may not have worked with in previous Photography courses. Historical and contemporary issues will be investigated with an emphasis on personal growth and the development of self-exploration and creative expression. This course is structured to enable students to further their abilities in Photography with the specific content of the course to be developed in consultation with the professor. Prerequisite: ART 235. 4 Semester Hours.

ART 340 Graphic Design III
This course is a continuation of skills and concepts introduced in Graphic Design II. Students will broaden their application of design thinking by approaching complex and unframed challenges with holistic design solutions. Projects will focus on research, strategy, and form giving. Students will also navigate expectations of professional practice such as portfolio development, pitching work, and client relationships. Prerequisites: ART 240. 4 Semester Hours.

ART 345 Art Education II - Professional Issues in Art Education
As both curricular issues and the value of Arts in the schools becomes more and more important, students in this course will study current policy, standards, advocacy, and professional issues related to teaching Art. It is a continuation of the portfolio development and curricular work begun in ART 245. Studio experiences are included. Prerequisite: ART 245. 4 Semester Hours.

ART 346 Art Education III – Ceramics
This course provides students with a comprehensive introduction to a variety of techniques and concepts related to ceramic hand-building processes Both functional and non-functional objects are used to demonstrate coil, slab, pinch and throwing techniques. Emphasis is placed on the three-dimensional concepts of texture, form, color, balance, and design. Prerequisites: ART 250 and ART 251. 4 Semester Hours.

ART 350 Information Design
Many presentations, reports, stories, and apps rely heavily on the successful communication of complex information. This course explores best practices for presenting quantitative and qualitative information with an emphasis on narrative and design. Students will be introduced to a variety of tools and workflows to create and edit charts, maps, and infographics. Prerequisite: ART 270 or DSC 230 or DSC 210. 2 Semester Hours.

ART 351V Modern Art History
This course provides students with a closer look at significant art created from 1850 to the present era, including Modern, Post-Modern, and contemporary art. Works and artists will be considered in the contexts of political, social, economic, and religious importance and the successful student will demonstrate an understanding of the artists and works considered significant. Explorations prerequisite: Successful completion of all four Foundations courses or the Raider Foundations Portfolio. Explorations credit may only be earned for a course if this prerequisite is completed prior to the commencement of the course. 4 Semester Hours.

ART 355 Illustration
Illustration is a studio and lecture course that provides students with an overview of illustration across a variety of media, from traditional to digital. The emphasis will be on creativity and imagination, combined with learned draftsmanship skills to explore the visual communication of ideas. Assignments will focus on narrative editorial, advertising and institutional illustration assignments that use effective reproduction of subject matter from still life and nature, perspective and human forms, as well as some digital and photographic work. Prior knowledge of Adobe Creative Suite may prove helpful but is not required. Prerequisites: ART 110 and ART 217. 4 Semester Hours.

ART 360 3D Modeling and Animation
This course is an introduction to 3D modeling, rendering and animation. Basic concepts learned in 2D animation such as narrative and movement are revisited within the 3D environment. This course covers 3D modeling techniques to create forms and environments within the realms of sculpture, architecture, and character animation. Prerequisite: ART 323 or ART 220. 4 Semester Hours.

ART 370 Typography II
This course builds on ART 270 Typography by asking students to design and implement type systems for complex information such as sequential layouts. Students will integrate type with image, use type as a primary material in conceptual development, and refine sensitivity for micro and macro typography. Prerequisite: ART 270. 2 Semester Hours.

ART 425 ART SCE I – Applied Practice
Students taking this course are expected to create a body of artwork that demonstrates their abilities at the highest level possible. It is a professional practice course that expects upper-level thinking, concept development and skillfully executed work. Research is to be documented and the process photographed, and video recorded at all levels. This course is dedicated solely to the conceptual development and actual creation of the artwork. Prerequisite is completion of the upper-level course/s in the individual student's concentration. 2 Semester Hours.

ART 426 ART SCE II – Practices & Exhibition
This course is centered on professional preparation and professional presentation, specifically the SCE Exhibition. Additional professional preparedness will include portfolio organization, refinement of artist statements, and academic poster designs. and beyond. The SCE work is prepared and installed for a professional Art Exhibit during the final weeks of the semester. Prerequisite: ART 425. 2 Semester Hour.

ART 450 Art History Study Travel SCE
Students will experience a guided study tour of significant culturally historic sites abroad. The cities of London, Paris, Venice, Florence, Siena, Rome, Cairo and Athens have been visited in the past. Emphasis is on direct engagement with the art and architecture of each site in its actual context. Visits to museums, cathedrals, palaces, archaeological sites, and other points of

interest will be a part of the trip. The course is flexible, so it may serve a variety of situations involving foreign on-site study. In addition to the tour itself, pre-trip seminar attendance, background study, written assignments, presentations and research are considered for grading purposes. Prerequisites: ART 250 and ART 251, or permission of instructor. 4 Semester Hours.

ART 494 Honors Thesis/Project SCE
A research/project course designed to meet the needs of the individual student seeking honors in the major at graduation. Prerequisites: junior or senior standing, and approval of the instructor, the department chair and the Honors Review Board. See All-University -494 course descriptions. 4 Semester Hours.

ART 498 Art Internship (Internal) SCE
Students are provided with a significant learning experience outside the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. Taken under Satisfactory/Unsatisfactory grade option only. See All-University -498 course descriptions. 1-16 Semester Hours.

ART 499 Art Internship (External) SCE
Through the cooperation of agencies and businesses in the vicinity of the University, students are provided with a significant learning experience outside of the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. The basis of determining the grade for the program will be given in the contract and will include an evaluation by the supervisor at the organization where the internship work is done, an assessment by the internship faculty/advisor, and a written report of the internship experience submitted by the student. Prerequisites will vary with the internship. Participation is by petition to the chair art of the department. Taken under Satisfactory/Unsatisfactory grade option only. See All-University -499 course descriptions. 1-16 Semester Hours.

Artificial Intelligence

AAI 180H Fundamentals of Artificial Intelligence
This engaging and interdisciplinary course is your gateway to the dynamic world of Artificial Intelligence (AI). Designed for students from diverse majors, this course transcends disciplinary boundaries to provide a comprehensive understanding of AI and its transformative impact on industry and on society. You will understand the nature of AI, dispel misconceptions, explore positive impact, review historical perspectives, and build interdisciplinary connections within AI landscape. 4 Semester Hours.

AAI 280 Visualizing Artificial Intelligence with Logical Thinking
This course is open to all students from diverse disciplines who are interested in exploring the intersection of artificial intelligence and logical problem-solving. It introduces students to block-based programming, specifically focusing on visual programming languages. Students will learn to create AI-related programs and applications without the need for text-based coding languages. Through hands-on activities and projects, students will utilize drag-and-drop software and applications to develop their understanding of block-based programming principles and their applications in artificial intelligence. Prerequisites: AAI 180H. 4 Semester Hours.

AAI 380 Artificial Intelligence Practicum
This course is designed to provide students with the opportunity to apply the knowledge and skills acquired from previous AI courses in addressing real-world challenges or questions within their specific disciplines. Emphasizing a project-based approach, students will work individually or in teams to develop innovative solutions using AI tools and applications. Through hands-on experience and mentorship, students will tackle complex problems, demonstrate their proficiency in AI methodologies, and showcase their ability to integrate AI technologies into practical applications within their chosen fields. Prerequisites: AAI 280 is a pre-requisite for AAI 380 that is allowed concurrently. 2 Semester Hours.

Biology

BIO 100N Foundations of Biological Science
This course is designed to fulfill foundational knowledge credit for students that are non-science majors. It is designed to provide an appreciation for life and its intricacies. Students enrolled in this course will develop an understanding of science, the nature of scientific inquiry, and how evolution explains the unity and diversity of all life on Earth. This course focuses on common features that all organisms share, as well as their unique characteristics. Current issue topics will be explored and may include personalized

medicine, stem cell research, cloning, and conservation biology efforts. This course does not fulfill any requirement for the biology major or minor. Lecture meets three times each week with an online lab. 4 Semester Hours.

BIO 105 Elements of Anatomy and Physiology
This introductory-level course concentrates on the basic structure and function of select organ systems in the human body. The following organ systems will be addressed in this course: skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory and digestive. This course is designed for the non-science major and does not satisfy requirements for a major or minor in biology or allied health related fields of study. Lecture and Lab are integrated. 4 Semester Hours.

BIO 140 The Unity of Life
This course examines the common denominators of all life including biomolecules, cell structure and function, biological energetics, respiration, photosynthesis and genetics. This class is required of all majors and minors in biology and is a prerequisite for most biology courses. Laboratories will include inquiry-based experiences. Three lectures and one lab per week. 4 Semester Hours.

BIO 141N The Diversity of Life
This course examines the "Tree of Life" beginning with its evolutionary foundation followed by an examination of the resulting diversity of life. This class is required for all majors and minors in biology and is a prerequisite for most other biology courses. Laboratories will include inquiry-based experiences. Three lectures and one lab per week. 4 Semester Hours.

BIO 200 Foundations of Medical Microbiology
This course introduces the student to microorganisms including bacteria, fungi, parasites and viruses. Emphasis is placed on the structure and life processes of these microorganisms along with their role in causing human diseases. The host response to infectious disease is also integrated into this course. For the laboratory, students will examine the microscopic and macroscopic structure of microorganisms. Students will learn basic laboratory techniques including staining and microscopy, culturing, methods for quantifying microorganisms, and biochemical/immunological testing. Three lectures and one lab per week. Prerequisite: Admission to the Nursing Program. 4 Semester Hours.

BIO 210 Anatomy and Physiology I
This course is an integrated study of the structure and function of various organ systems of the human body such as the Integumentary, Skeletal, Muscular, and Nervous systems. An extensive presentation of the anatomy of these systems will be given at the macroscopic and microscopic levels. The functions of these systems will be addressed through the study of each system's homeostatic mechanisms as well as their response to homeostatic imbalances in the body. Three lectures and one lab per week. Additional fee applies. BIO 210 is a prerequisite for BIO 211. 4 Semester Hours.

BIO 211 Anatomy and Physiology II
This course is an integrated study of the structure and function of various organ systems of the human body such as the Endocrine, Cardiovascular, Lymphatic, Immune, Respiratory, Digestive, Urinary, and Reproductive systems. An extensive presentation of the anatomy of these systems will be given at the macroscopic and microscopic levels. The functions of these systems will be addressed through the study of each system's homeostatic mechanisms as well as their response to homeostatic imbalances in the body. Three lectures and one lab per week. Additional fee applies. Prerequisite: BIO 210. 4 Semester Hours.

BIO 215G Evolutionary Biology
This course introduces the major principles of evolutionary biology, beginning with a brief history of evolutionary thought and working through the fundamental concepts of evolutionary genetics, adaptation and natural selection, the origins of biological diversity and overall patterns of evolutionary change. The methods employed in evolutionary investigations and experiments and the kinds of reasoning by which those methods are used to develop, and test hypotheses are emphasized. Four class hours per week. Prerequisite: BIO 141. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

BIO 220 Ecology
An introduction to the ecological factors affecting the distribution and abundance of the major groups of animals and plants. Emphasis is on the local fauna and flora, utilizing frequent field trips. Three lectures and one laboratory per week. Prerequisite: BIO 141. 4 Semester Hours.

BIO 230G Conservation Biology
This course is an introduction to conservation biology, a synthetic discipline within biology that addresses the loss of biological diversity throughout the world. The course is divided into three principal sections, (1) biological diversity: principles, threats and values, (2) practical applications, and (3) the human role and solutions. The course also will present some of the currently active research in conservation biology. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100,

FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

BIO 240 Genetics
A study of hereditary mechanisms and the experimental methods used in the analysis and manipulation of these mechanisms. Topics include classical transmission genetics, the nature of the gene and microbial and molecular genetics. The laboratory includes experiments in Drosophila genetics, bacterial and phage genetics and molecular genetics. Three lectures and one laboratory per week. Prerequisites: BIO 140 and BIO 141N or consent of instructor. 4 Semester Hours.

BIO 260 Plant Structure and Function
This course introduces the breadth of contemporary plant sciences so that students can develop a synthetic understanding of the field. The links between genes, plant structure and development and plant physiology will be demonstrated as well as how these factors interact in the environment. Three class hours with integrated laboratory per week. Prerequisites: BIO 140 or BIO 141N. 4 Semester Hours.

BIO 270 Cell Biology
Modern cell biology is a unifying discipline that combines genetics, biochemistry and molecular biology with traditional morphological descriptions to study how cells function at the molecular level. This course will introduce students to the dynamic relationship between the structure of cellular organelles and the numerous biochemical reactions that are necessary for cell growth and survival with an emphasis on eukaryotic cells. Three lectures and one laboratory per week. Prerequisites: BIO 140 and CHE 120N. 4 Semester Hours.

BIO 280 Biology of Marine Organisms
A study of selected groups of marine organisms. Emphasis is placed on ecological, reproductive and physiological adaptations to the marine environment. Where appropriate, biological and societal factors concerning the economic importance of marine organisms are included. Participation in an extended field trip either during or after completion of the campus portion of the course is required. A fee is charged for the field trip . Two three to four-hour classes/labs per week. Additional fee applies. Prerequisites: BIO 140 and BIO141N. 4 Semester Hours.

BIO 290 Pathophysiology
This course will examine basic physiology and the impact internal and external pathological events can have on the human body. Two 100-minute lectures per week. Prerequisites: Admission to the Nursing Program and successful completion of BIO 210 & BIO 211. 4 Semester Hours.

BIO 295 Developmental Biology
This course is an analysis of developmental processes that lead to the construction of an entire organism from a single cell. Study begins with gametogenesis, fertilization, and early developmental processes including cleavage, gastrulation, and axis specification. Later embryonic development will also be covered including the formation of tissues, organs, and limbs. Additional topics may include sex determination, environmental influence on development, and evo-devo. Two lectures and two 1.5 hour labs per week. Prerequisites: BIO 140 and BIO 141N. 4 Semester Hours.

BIO 299 Special Topics
A course designed to offer special subjects appropriate to the biology department. Such offerings will take advantage of the expertise of a visiting professor, fill special needs of specific students, or serve as an initial experimental offering of a contemplated regular course. Prerequisite: sophomore standing. 1-4 Semester Hours.

BIO 300 Molecular Biology
A study of eukaryotic cell communication and response on a molecular level through the use of cell structures, chemical signals and gene expression. Emphasis will be placed on modern molecular science techniques and research, as well as disease models. Three lectures and one laboratory per week. Prerequisites: BIO 140 and CHE 120. 4 Semester Hours.

BIO 303 Parasitology
A study of the diversity of parasitism in the animal kingdom and an introduction to the general biology of parasitic protozoans, helminths, myxozoans, and arthropods. With a focus on parasites of medical, veterinary, and wildlife importance, students will explore the ecology, life cycles, epidemiology, immunology and physiologic effects of these parasites in their vertebrate and invertebrate hosts. Additional emphasis will be placed on the history of parasitic disease in human populations to develop an understanding of the problems these organisms have caused in the past, how they were treated and controlled, and the role parasites may play in the future. Three lectures and one laboratory per week. Pre-requisites: BIO 140, BIO 141N, or ENV 190N. 4 Semester Hours.

BIO 305 Microbiology
An introduction to bacteria, viruses, fungi and parasites of economic or pathogenic importance to humans. Microbial ecology, water and soil microbiology, industrial microbiology and medical microbiology are all briefly addressed in this course, providing a general overview of many aspects of the microbial world. Two lectures and two laboratories per week. Prerequisites: BIO 140 and CHE 120N. 4 Semester Hours.

BIO 321 Aquatic Ecology
A study of the ecology of freshwater ecosystems. Energetics, chemistry, movements of nutrients, and plankton and littoral communities will be presented with particular attention to north temperate ecosystems. Laboratories will emphasize field work. A fee is charged for a field trip to Lake Erie. Two 65 minute lectures and one 3 and half hour lab per week. Prerequisites: BIO 141N or consent of instructor. 4 Semester Hours.

BIO 322 Ecotoxicology
A study of toxic effects of chemicals upon components of ecosystems. The course will begin by examining how human activities have provided pathways for pollutants into the environment. Students will then learn how those pollutants affect biochemical and physiological processes of organisms and thus may alter functions of ecosystem components. Two class hours per week. Prerequisites: BIO 141N and CHE 120N or consent of instructor. 2 Semester Hours.

BIO 340 Immunology
A study of the immune response mechanisms including innate, cell-mediated and humoral immunity. Hypersensitivities, autoimmune diseases and organ transplantation will also be discussed. Four class hours per week. Prerequisites: BIO140 and CHE 120N. BIO 340 is non-lab. 4 Semester Hours.

BIO 350 Vertebrate Structure and Function
A comprehensive examination of vertebrate structure, spanning from the molecular and cellular levels to the integrated functions of organ systems. Students will explore the diversity of vertebrate life, with an emphasis on comparative anatomy and the evolutionary adaptations that have shaped the form and function of different vertebrate groups. Three lectures and one lab per week. Prerequisites: BIO 140 and BIO 141N. 4 Semester Hours.

BIO 360 Independent Study
An in-depth exploration of student-selected subject matter. Registration requires consent of the instructor. 1-4 Semester Hours.

BIO 399 Special Topics
A course designed to offer special subjects appropriate to the biology department. Such offerings will take advantage of the expertise of a visiting professor, fill special needs of specific students, or serve as an initial experimental offering of a contemplated regular course. Prerequisites: junior standing. 1-4 Semester Hours.

BIO 405 Research
This course involves the experimental investigation of a problem in biology under the supervision of a biology faculty member. Registration requires junior standing and consent of the instructor. 1-4 Semester Hours.

BIO 410 Seminar I
Discussion and critical evaluation of selected topics in biology. Students perform an extensive review of the primary literature on current biological topics. Each student prepares a detailed research proposal on a topic of interest related to biology and presents a seminar on the proposal. Prerequisite: junior standing. 2 Semester Hours.

BIO 411 Seminar II
Discussion and critical evaluation of selected topics in biology. This seminar may include student-led discussions, book reviews, journal article critiques, seminar presentations and other forms of critical analysis. 2 Semester Hours.

BIO 494 Honors Thesis/Project
See All-University 494 course description.

BIO 498 Internship in Environmental Education (Internal)
Students will gain experience in developing, implementing and evaluating environmental and outdoor education programs. Work will be done through the University's John T. Huston-Dr. John D. Brumbaugh Nature Center but may involve outreach activities to other agencies or groups in the area. Students will be required to participate in at least one state or regional meeting of environmental educators. The internship is designed for students who intend to be educators or who plan to work in the general area of outdoor education. Specific activities will be specified in a contract between the student and instructor. S/U grade option only. Prerequisite: Open only to juniors and seniors who are majoring or minoring in education, biology or environmental science. Credit variable, 1-4 Semester Hours.

BIO 499 Internship in Biology
An experience based course designed for juniors and seniors. Students are placed in appropriate laboratories of agencies where previous classroom learning may be integrated with a work or research experience. The exact location, program and method of evaluation are provided in a contract drawn between the student, the faculty sponsor, and the host internship supervisor. Registration by arrangement with the faculty sponsor and departmental chairperson. S/U grade option only. Specific restrictions may apply. Credit variable, 1-4 Semester Hours.

Business Administration

BUS 100 Introduction to Business
This course is intended to expose students to the functional areas and environments of business administration. The course includes overviews of accounting, economics, management, human resources, health care management, finance and marketing, while highlighting how each functions within the business environment. 2 Semester Hours.

BUS 122 Quantitative Methods for Business
Methods of solving quadratic equations. A study of limits, continuity, differentiation, and an introduction to indefinite and definite integrals, including applications to minimization and maximization problems related to Business and Economics. Functions of two or more variables, including partial differentiation, and applications to Business and Economics. Introduction to regression analysis and linear programming. Prerequisites: MTH 105 or placement of Level C or D. 4 Semester Hours.

BUS 125 Business Communication
In this course, students will be exposed to elements that will aid them in becoming skilled and articulate communicators in both the printed and spoken word. This includes identifying and understanding the audience, establishing key objectives, organizing ideas, using style, practicing writing without errors, and speaking clearly and professionally. Students will use these communication skills to create common business documents and presentations. Much of class time will be devoted to writing and speaking. 4 Semester Hours.

BUS 313 Planning for Meaningful Work
This two-semester hour course provides opportunities for the individual to reflect upon and refine their professional and personal objectives while gaining vital skills and knowledge that will help them successfully plan for and achieve those objectives upon graduation... and throughout their life. Classroom exercises and lectures led by subject matter experts provide important applied techniques and theories. Participants will integrate those theories and techniques into their own skill/knowledge base and use them to map out strategies for achieving their professional and personal objectives. Although the course carries a Business Administration prefix, it is open to juniors and seniors in any program of study. Prerequisite: Junior or Senior standing OR permission of the instructor. 2 Semester Hours.

BUS 330 Legal and Ethical Environment of Business
This course explores the legal and ethical environment in which businesses operate, examining how law and ethics intersect to shape responsible business decision-making. Students will study the foundational principles of the U.S. legal system, including contracts, torts, intellectual property, employment law, and regulatory frameworks, while engaging in critical analysis of ethical issues that arise within these contexts. Through case studies, current events, and real-world applications, students will develop the ability to identify, evaluate, and resolve complex legal and moral challenges faced by businesses today. Emphasis is placed on critical thinking, ethical reasoning, and the practical implications of legal and ethical decision-making in both domestic and global business environments. Prerequisites: BUS 100, BUS 125, and MGT 200. 4 Semester Hours.

BUS 335V Business Ethics
The course will examine key ethical concepts and issues that apply to careers in business. The course will cover theories of ethics and will also use practical examples. In particular, the content of the course will include the ethical standards applicable to the practice of financial planning. Prerequisite: junior standing or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

BUS 499 Internship in Business Administration
An experience based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host

internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Graded S/U. 1-16 Semester Hours.

Chemistry

CHE 100N Chemistry in Society
This course involves the study of the basic principles of chemistry and their applications to society. Specific topics are decided upon by the instructor but may include environmental issues, forensic science, energy, food, etc. This course does not count toward a major or minor in chemistry or a major in biochemistry. Additional fee applies. Three class hours and one three hour laboratory per week. 4 Semester Hours.

CHE 108N Forensic Science
This course will expose students to the field of forensic science primarily using chemical forensics and testing. Topics include evidence collection and preservation, drugs and drug chemistry, heat and explosions, poisons and others. The course will cover basic chemical concepts needed to plan, execute, and interpret forensic results. All necessary scientific concepts will be developed in the context of forensic science. The course is intended for students pursing the forensic track in the Criminal Justice major. Three class hours and one three hour laboratory per week. 4 Semester Hours.

CHE 110N Foundations of Chemistry
This introductory course begins with an emphasis on the atomic and molecular nature of matter and the stoichiometric relationships of reactions. These fundamental principles will be applied to reactions in aqueous solutions, the ideal gas law, and an introduction to thermochemistry. Special emphasis will be placed on skills necessary to succeed in chemistry including problem solving strategies. This course is intended for students with 0 or 1 year of high school chemistry or as a preparatory course for CHE 120N. Additional fee applies. Three class hours and one three hour laboratory per week. 4 Semester Hours.

CHE 115 Organic and Biochemistry for Nursing
This course focuses on basic organic chemistry and fundamental biochemistry. Topics include Lewis structures, physical properties, basic nomenclature, and chemical reactions of the major classes of organic compounds. Stereochemistry and acid-base topics are also included. The course applies organic chemistry to biochemicals with an emphasis on health-related applications. Topics include amino acids and proteins, enzymes, carbohydrates, lipids, nucleic acids, vitamins and coenzymes, and basic metabolism. Clinical topics include, but are not limited to, diabetes mellitus, clinical isoenzymes, lipoprotein profiles, drug therapies, and ethanol metabolism. Additional fee applies. Prerequisites: Admission to the Nursing Program and successful completion of CHE 110N with a grade of "C" or better. Students wishing to continue in the Nursing Program must earn a "C" or higher in this course. 4 Semester Hours.

CHE 120N Concepts in Chemistry
This introductory course is a study of atomic structure, intermolecular interactions, chemical kinetics, equilibrium, and chemical thermodynamics. This course provides a chemical basis needed for the continuing study of chemistry and other natural sciences. Additional fee applies. Prerequisite: 1 or 2 years of high school chemistry or CHE 110N. Three class hours and one three hour lab period. 4 Semester Hours.

CHE 210 Environmental Chemistry
A study of the chemical reactions controlling the cycling of natural chemical species and anthropogenic pollutants in the water, soil and air environments of our earth system. The chemical processes operating in the natural environment including acid-base, complexation, redox, photochemical and biotic degradation phenomena are examined. Throughout the course, the chemistry underlying current issues of water, soil and air pollution, focusing on nutrient, metal and organic contaminants, are studied. Three hours of lecture and three hours of laboratory each week. Prerequisite: CHE 120N. 4 Semester Hours.

CHE 212 Introduction to Green Chemistry
This course explores in detail the 12 principles of green chemistry and evaluates how the use of "greener" chemistry in industry and the laboratory can contribute to a more sustainable world. Includes some recent innovations by chemists and engineers and their real world applications. Additional fee applies. Prerequisite: CHE 120N. Three class hours and one three-hour laboratory per week. 4 Semester hours.

CHE 214 Inorganic Chemistry I
A study of the physical and chemical properties of inorganic substances from a consideration of atomic structure, the nature of the chemical bond and the periodic system of the elements. Additional fee applies. Prerequisite: CHE 120N. Three class hours and one three-hour laboratory per week. 4 Semester Hours.

CHE 220 Analytical Chemistry I
A study of the principles of chemical equilibrium and their applications to problems of chemical analysis. Includes an introduction to statistics and optical, electrochemical and chromatographic methods of analysis. Additional fee applies. Prerequisites: CHE 120N or permission of instructor. Three class hours and one three-hour laboratory per week. 4 Semester Hours.

CHE 228 Forensic Chemistry
In this course, students will apply chemical principles to the collection, preservation, and analysis of physical evidence from crime scenes. Forensic analysis of materials such as drugs, blood, DNA, hair, fibers, paint, firearms, fingerprints, glass, and arson debris will be studied and performed. The legal, ethical, and professional standards unique to forensic analysis and data reporting will be emphasized. Three class hours and one three hour laboratory per week. Prerequisite: CHE 120N. 4 Semester Hours.

CHE 231 Organic Chemistry I
A first course in the chemistry of carbon compounds designed for chemistry majors and premedical students. Emphasis is placed on the study of the nature and consequences of covalent bonds as encountered in organic compounds. The major aspects of the chemistry of aliphatic hydrocarbons and saturated functional groups are included. The principles of chirality and both IR and NMR spectroscopy also are studied. The laboratory concentrates on organic microlab techniques including gas chromatography and spectroscopy. Additional fee applies. Prerequisite: CHE 120N. Three class hours and one three-hour laboratory per week. 4 Semester Hours.

CHE 232 Organic Chemistry II
A continuation of CHE 231. This course covers the major aspects of the chemistry of unsaturated functional groups and selected aromatic and heterocyclic compounds. Emphasis is placed on reaction mechanisms. The laboratory is designed to apply the techniques acquired in CHE 231 to synthesis, identification and mechanism problems. Prerequisite: CHE 231. Three class hours and one three-hour laboratory per week. 4 Semester Hours.

CHE 255 Basic Neurochemistry
This course is an introduction to the chemistry of the central nervous system. Topics will include neurocellular anatomy, growth, differentiation and development, and intercellular and intracellular signaling. Prerequisites: CHE 231. 2 Semester Hours.

CHE 270 Foundational Biotechnology Skills
Biotechnology is a rapidly evolving field that has a profound impact on healthcare, the environment, and the economy. This course explores the essential laboratory skills and cutting-edge techniques that are at the heart of modern biotechnology. Students will gain hands on experience in molecular biology techniques involving DNA, RNA, and protein for genetic engineering. Tissue culture with mammalian cell lines and microbiology laboratory skills will also be developed. For each technique, students will learn the fundamental scientific principles and its variety of applications including but not limited to genetic engineering, cloning, stem cell research, production of pharmaceuticals and vaccines, the human genome project, bioremediation, and food biotechnology. Prerequisite: CHE 120. One class hour and one three-hour laboratory per week. 2 Semester Hours.

CHE 320 Analytical Chemistry II
A study of the principles and applications of instrumental techniques used for analytical measurements such as spectrophotometry, chromatography, etc. Three class hours and one three-hour laboratory per week. Prerequisites: CHE 220 and current or prior enrollment in PHY 102 and MTH 141. 4 Semester Hours.

CHE 341 Physical Chemistry with Laboratory
An examination of the laws of classical thermodynamics associated with energy, entropy and Gibbs energy. These topics of study are developed from an atoms first approach via basic quantum mechanics and statistical mechanics. The laboratory involves the determination of a variety of thermodynamic functions studied in lecture including heat capacity, enthalpy and equilibrium constants and the exploration of basic quantum mechanical properties via spectroscopy. Prerequisites: CHE 120N, PHY 102 and MTH 141. Three class hours and one three-hour laboratory per week. 4 Semester Hours.

CHE 370 Biochemistry
To understand what makes living organisms different than their environment, one must investigate their chemical makeup. The structures and properties of the four major classes of biological molecules, proteins, carbohydrates, lipids and nucleic acids will be studied. Other topics include enzyme kinetics, mechanisms of enzyme action and regulation of enzymes. Prerequisites: CHE 232 and BIO 140. Three class hours per week. 3 Semester Hours.

CHE 371 Biochemistry Laboratory
Biochemistry has changed the way we look at biology and chemistry by integrating the two to explain biological principles. In this laboratory students will use a variety of techniques including spectroscopy, chromatography and electrophoresis to learn about the chemistry of the four major classes of biological molecules: proteins, carbohydrates, lipids and nucleic acids. Special emphasis will be placed on the current use of computers in structural biochemistry. Specifically, students will gain experience in protein

purification, enzyme kinetics and inhibition and analysis of DNA restriction digests. One three-hour laboratory per week. Corequisite: CHE 370. 1 Semester Hour.

CHE 374 Medicinal Chemistry
This course focuses on the fundamental aspects and current methodologies involved in the drug discovery process. The fundamental aspects include the physical, chemical, and pharmaceutical properties of drugs. A receptor-based, target-centered approach will be used to present the concepts central to the study of drug action. Application to the chemotherapy of cancer, immunomodulators, and viral and microbial diseases will be examined. Prerequisites: CHE 232. Two class hours. 2 Semester Hours.

CHE 381/382/481/482 Chemistry Seminar
Library research on a subject related to research interest of the student is followed by an oral presentation and discussion. Each student is responsible for giving one seminar in both junior and senior years. In addition, guest speakers from academia and industry will speak to the class. Prerequisites: Junior or senior standing, respectively. 1 Semester hour each.

CHE 390 Research
The student will propose and carry out a defined, original research project in the field of chemistry under the supervision of a faculty member. A total of 60 hours of literature and laboratory research is expected for each credit hour taken. A formal written report of the research is due at the end of the semester. The course may be taken for more than one semester. Credit variable, 1-4 Semester Hours.

CHE 414 Inorganic Chemistry II
A survey of the descriptive chemistry of the elements. In addition, time is devoted to the study of bioinorganic systems, organometallic chemistry and pollution studies. Prerequisites: CHE 214, CHE 232, Senior standing or permission of instructor. Four class hours per week. 4 Semester Hours.

CHE 431 Advanced Organic Chemistry
Understanding topics in advanced organic chemistry requires knowledge of both synthetic and mechanistic chemistry. Synthetic chemists use reaction methodology to construct target compounds; mechanistic chemists study the detailed mechanisms by which these reactions proceed. Topics in synthetic chemistry include functional group transformations, retrosynthetic analysis and named reactions. Topics in mechanistic organic chemistry include kinetics, general and specific acid/base catalysis, kinetic isotope effects, linear free energy relationships, analysis of reaction coordinates and rearrangements. Prerequisite: CHE 232. 2 Semester Hours.

CHE 434 Advanced Spectral Analysis
An advanced course for the characterization of compounds with a focus on IR, UV-vis, NMR and MS analysis. Spectral interpretation will include multi-dimensional NMR and MS fragmentation analysis. Prerequisites: CHE 220 and CHE 232. Two hours per week of class and instrument time. 2 Semester Hours.

CHE 442 Applied Thermodynamics and Kinetics
Thermodynamic theories and laws will be applied to real systems including gases, liquids, solids, electrolytes, and phase changes in matter. The study of thermodynamics will be extended to non-equilibrium systems. Chemical kinetics, theories of reaction rates, and transport properties will be studied. Prerequisites: CHE 341. 2 Semester Hours.

CHE 443 Computational Chemistry and Spectroscopy
The theories of basic quantum mechanics will be extended to multielectron atoms, molecules, and chemical reactions. Computational tools and ab initio calculations will be introduced and developed using a project-based approach. The powerful interplay between spectroscopy and quantum mechanics will be examined. Prerequisites: CHE 341. 2 Semester Hours.

CHE 455 Advanced Neurochemistry
This course is an advanced study of the chemistry of the central nervous system. Topics will include metabolism, sensory transduction, neural processing, and neurodegenerative diseases. Prerequisite: CHE 370. 2 Semester Hours.

CHE 472 Advanced Biochemistry: Molecular Mechanisms of Health and Disease
This course expands the study in biochemistry to the principles underlying energy metabolism and their relationship to health and disease. Topics include integration of major metabolic pathways, and the role of regulation including hormonal control relevant to homeostasis, disease, and pharmaceutical interventions. Prerequisites: CHE 370. 4 Semester Hours.

CHE 476 Advanced Biochemistry Laboratory
This laboratory course builds upon previous biochemistry laboratory experience to expose students to advanced biochemistry laboratory techniques including, but not limited to, protein expression and purification, isolation and manipulation of DNA, and culminates in an open-inquiry based project. Prerequisites: CHE 370 and CHE 371. Credit variable, 1-2 Semester Hours.

CHE 490 Senior Research
This course is required of all chemistry and biochemistry majors. This course has as its requirements the completion of a senior research project which will be communicated to the department in a poster and research paper. A total of four credits must be completed in one or both semesters of the senior year. Prerequisites: Chemistry or biochemistry major with senior standing. 1 Semester Hour.

Coaching

COA 275 Sports Nutrition for Coaches
This course will provide students with an introduction to nutrition and supplement concepts as they apply to sports and the role a coach has in providing information and guidance to athletes. Topics of study will include nutritional standards for different types of sports and training. This course will also focus very specifically on popular sports nutrition products and a process to determine their safety and efficacy. 4 Semester Hours.

COA 310 Psychology of Coaching
This course will familiarize students with aspects of psychology that influence performance and participation in athletics. This course will also examine the nature and responsibilities of the coaching profession with a focus on the psychological aspects of competitive sports. Some topics that will be discussed are self-esteem, motivation, stress, and imagery as it applies to one's ability to perform or willingness to participate in athletics. Prerequisites: EXS 110 and COA 275. 4 Semester Hours.

COA 320-331 Coaching Theory Courses
Coaching theory courses will expose students to strategies, techniques, coaching methods and team management strategies related to each distinctive competitive sport. Prerequisite: COA 310, or concurrently with COA 310. 2 Semester Hours.

COA 320	Coaching Basketball
COA 321	Coaching Football
COA 322	Coaching Soccer
COA 323	Coaching Wrestling
COA 324	Coaching Track and Field
COA 325	Coaching Baseball
COA 326	Coaching Softball
COA 327	Coaching Golf
COA 328	Coaching Tennis
COA 329	Coaching Volleyball
COA 330	Coaching Swimming and Diving
COA 331	Coaching Lacrosse

COA 430 Coaching Practicum
Students will be expected to complete a full season as an athletic coach in a sport of their choice. Students will be supervised by university faculty/staff during the course of the sport season and will be required to complete several assignments deemed appropriate by the university faculty/staff supervisor. Students will also be required to complete a culminating experience related to the practicum as arranged by the university faculty/staff supervisor. When a sport spans two terms, the course may be taken for 1 semester hour in each of two consecutive terms. If the sport season is complete in one term, the course will be taken for two semester hours. This course is graded S/U. Prerequisites: COA 310 and two COA coaching theory courses. 1-2 Semester Hours with students completing a minimum of 2 semester hours.

Communication

COM 101H Principles of Public Speaking
A study of effective extemporaneous speaking emphasizing informative and persuasive speaking. Special attention is given to the development of competent speakers. A competent speaker is a person that is able to compose a message and provide ideas and information suitable to the topic, purpose, and audience and transmit the message by using delivery skills suitable to the topic, purpose, and audience. 4 Semester Hours.

COM 199 Special Topics
See All-university course description.

COM 200G Global and Intercultural Communication
A study of human communication across cultures focusing on the variables that influence interaction when members of different cultures come together. The course considers the basic concepts of intercultural communication with attention to cultural stereotypes, prejudice, and ethnocentrism. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

COM 220S Interpersonal Communication
A study of the major approaches, models, theories and research on dyadic and small group communication. Focus will be on topics such as verbal and nonverbal communication, competent listening, situation analysis, relationship management, conflict management, and self-disclosure in personal and professional relationships. 4 Semester Hours.

COM 225S Small Group and Organizational Communication
A review of the development of organizational communication theory and how application of that theory adds to our understanding of organizations as information systems. Topics include information flow, organizational structures, formal and informal networks, organizational cultures, and external and internal organizational communication. 4 Semester Hours.

COM 227H Persuasion and Argumentation
This course provides an introduction to principles of persuasion and argumentation. Students will learn how to construct and critique persuasive messages and arguments in both written and oral formats. 4 Semester Hours.

COM 325 Leadership and Team Communication
The course explores the relationship between communication and leadership within organizations to develop specific communication competencies associated with effective leadership. This is accomplished by considering both theoretical and applied approaches to leadership communication. The relationship between leaders and followers and the communication approaches used to develop and maintain that relationship are studied. Prerequisite: sophomore standing or above. 4 Semester Hours.

COM 380G Gender, Sexuality, and Communication
An examination of how communication and sexuality structures identities, and how gender affects communication. Explorations prerequisite. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

COM 386G Public Advocacy for Social Justice
This course offers a critical analysis of persuasive discourse advanced in U.S. social movements such as but not limited to the abolitionist movement, civil rights movement, Native American rights movement, women's rights movements, LBGT rights movement, peace movement and labor movement. Persuasive strategies used by those advocating change as well as those opposing change will be considered. Emphasis is placed on the rhetorical strategies employed in representative texts. Prerequisites: COM 227H recommended. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

COM 440 Political Communication
This course examines the role rhetoric and the media play in constructing and shaping a variety of political messages and citizen perceptions of politics. Topics include the nature of political rhetoric, campaign discourses, media coverage of campaign discourses, congressional and presidential oratory and media ethics. The course aims to sharpen students' critical skills in analyzing and evaluating political rhetoric and media coverage of political campaigns. 4 Semester Hours.

Computer Science

CSC 100 Introduction to Information Management
An introduction to tools and assessment methods involved in the management of information. Students will gain facility with spreadsheet software in a problem-solving context. This course is designed to be useful for Mount Union students in all disciplines. 2 Semester Hours.

CSC 101 Introduction to Virtual Reality
An introduction to virtual reality environments. There are two main components of the course: a history of virtual realities and an introduction to living and building in a virtual space. Building skills will include the creation of web pages, image files, audio files, movies, and virtual objects. 2 Semester Hours.

CSC 105 Introduction to Linux
This course provides an introduction to the Linux operating system, from a user's perspective. Topics include installation, software installation and updates, security issues, network configuration, file systems, graphical and command line interfaces, and shell programming to automate repetitive tasks. 2 Semester Hours.

CSC 108 Introduction to Computer Programming
A first course in computer programming for students who have no previous programming experience. May not be taken in the same semester as CSC 120, nor after credit has been earned for CSC 120. 2 Semester Hours.

CSC 112 Introduction to Computer Science
An overview of the field of computer science and its applications in today's society. Major concepts in computing will be introduced using an algorithm-centered approach. Topics of study will include hardware, software development, applications, algorithmic thinking, computing in society, and the basics of a computer programming language. 4 Semester Hours.

CSC 120 Programming and Problem Solving I
An introduction to object-oriented programming with a focus on algorithms and their use in problem solving. Programming skills and problem-solving ability will be developed through hands-on laboratory experience. Students with no prior computer programming experience who are not strong in Mathematics and/or STEM disciplines should take CSC 108 before taking CSC 120. 4 Semester Hours.

CSC 199 Special Topics in Computer Science
A course designed to permit the offering of special subjects appropriate to the program of the department. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Lower divisional offerings will be listed as 199. Regular or frequently recurring topics are not offered under this title. Prerequisite: permission of the instructor. May be repeated as new topics are presented. Credit variable, 1-4 Semester Hours.

CSC 220 Programming and Problem Solving II
Intermediate object-oriented programming using a visually-oriented, forms-based language. Concepts include encapsulation, inheritance, polymorphism, recursion, and techniques for persistent data storage management. Prerequisite: CSC 120. 4 Semester Hours.

CSC 221 Intermediate Programming in Python
A course in programming techniques using the Python programming language intended for students who have previously taken several programming courses. Prerequisite: CSC 220. 2 Semester Hours.

CSC 224 Intermediate Programming in C#
A course in programming techniques using the C# programming language intended for students who have previously taken several programming courses. Prerequisite: CSC 220. 2 Semester Hours.

CSC 226 Intermediate Programming in C
A course in programming techniques using the C programming language intended for students who have previously taken several programming courses. Prerequisite: CSC 220. 2 Semester Hours.

CSC 228 Intermediate Programming in C++
A course in programming techniques using the C++ programming language intended for students who have previously taken several programming courses. Prerequisite: CSC 220. 2 Semester Hours.

CSC 230 Fundamentals of Bio-Inspired Computing
This course presents an overview of the two fields of Neural Computation and Evolutionary Computation. The biological components that govern brain function and the cognitive frameworks and the behaviors that emerge will be studied. Neural models of computation that simulate the workings of the brains of living creatures will be investigated. The historical foundations of evolutionary thought are explored with particular emphasis on computational simulations of its models and operations. Topics include computational neural networks, evolutionary programming, natural selection, evolved cooperation / competition, cellular automata, genetic algorithms, ant-colony optimization, swarm intelligence and artificial life. Prerequisite: CSC 120. Familiarity with genetics or evolution is not required as a prerequisite but may be helpful. 4 Semester Hours.

CSC 260 Introduction to Information Security
An introduction to the field of information security. Topics include a brief introduction to cryptography, security management, information confidentiality, integrity, availability, and network security. The course includes discussion of a model of the information security industry and explores skills, knowledge and roles so that students can determine and analyze potential career opportunities in this important area of computing. Prerequisite: CSC 112 or CSC 120 or DSC 140S. 4 Semester Hours.

CSC 270 Computer Organization
An introductory course in computer organization and design that additionally covers assembly language programming. Concepts studied apply to various hardware platforms. Students will learn the basic principles governing the organization of computer hardware components, how those components interact, and how the components may be controlled via layers of software. Topics investigated will include digital logic, registers, addressing modes, instruction execution, instruction sets and various number systems, and an introduction to operating system concepts. Prerequisites: CSC 120. 4 Semester Hours.

CSC 285 Using AI in Software Development
This course explores the integration of Artificial Intelligence (AI) tools into the modern software development lifecycle. Emphasis will be placed on real-world use cases, prompt engineering, and team productivity. Students will engage in collaborative projects that demonstrate how AI can streamline development processes and enhance team capabilities, while maintaining software quality and maintainability. Prerequisite: CSC 220, DSC 230 or DSC 250, or permission of instructor. 2 Semester Hours.

CSC 290 Professional Programming Practices
This course provides practical instruction in various software development techniques and approaches to problem solving that are commonly employed by software and tech firms. Students will learn about software testing strategies, configuration management systems, build systems, and product deployment concepts. Course content will be supplemented with hands-on projects that gives students experience with various software development tools and techniques. Prerequisite: CSC 220. 2 Semester Hours.

CSC 299 Special Topics in Computer Science
A course designed to permit the offering of special subjects appropriate to the Computer Science program at the sophomore level. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Regular or frequently recurring topics are not offered under this title. Prerequisite: as established by the department. May be repeated as new topics are presented. Credit variable. 1-4 Semester Hours.

CSC 310 Database Theory and Implementation
A theoretical introduction to database models, database design, normalization and data administration. Specific applications are studied and developed using fourth generation languages. Prerequisite: CSC 220. 4 Semester Hours.

CSC 320 Algorithms and Data Structures
Topics covered include linked lists, stacks, queues, trees, recursion, searching, sorting, hashing, and analysis and measurement of algorithms. Prerequisites: CSC 220, and MTH 125 or MTH 141 or MTH 362. 4 Semester Hours.

CSC 330 Mobile Device Programming
In this course the student will learn new protocols and/or a new programming language in order to program mobile devices such as tablets and smart phones. Prerequisite: CSC 220. 4 Semester Hours.

CSC 360 Computer Networks
This course provides an introduction to the technologies used in computer networks. Topics include network architecture, network protocols, and software and hardware implementations of the protocols. Prerequisite: CSC 220 or CSC 270. 4 Semester Hours.

CSC 363 Principles of Web App Security
In this course, students will learn the basic concepts of Web Application Security from a practical standpoint. Topics include authentication and authorization, browser security basics, database best practices, and security fundamentals. Additionally, students will be exposed to the application of the Secure Software Development Life Cycle. The touchstone for the course is the OWASP Top Ten which are the most critical web application vulnerabilities as determined by security and development industry experts. Prerequisite: either CSW 123 or CSC 260. 4 Semester Hours.

CSC 370 Operating Systems
The study of software designed to control the operation of the components of a computer system. A survey of typical operating systems is included along with investigation of concurrent processes, deadlock, memory management, file systems, processor scheduling/utilization, and distributed and/or parallel systems. Programming skills will be utilized and expanded. Prerequisites: CSC 220, CSC 270 and either CSC 226 or CSC 228. 4 Semester Hours.

CSC 380 Computer Graphics
This course is intended to provide an understanding of the principles behind the art and science of computer graphics. The subject matter is broad and combines elements of computer hardware and software, mathematics and numerical methods, art, and programming with complex data structures. Prerequisite: CSC 220. 4 Semester Hours.

CSC 399 Special Topics in Computer Science
A course designed to permit the offering of special subjects appropriate to the program of the department. Such offerings will fill special needs of specific students, take advantage of the expertise of a visiting professor, or serve as an initial experimental offering of a contemplated regular course. Upper divisional offerings will be listed as 399. Regular or frequently recurring topics are not offered under this title. Prerequisite: permission of the instructor. May be repeated as new topics are presented. Credit variable, 1-4 Semester Hours.

CSC 410 Web Database Programming
An introduction to programming client-server applications that use a web browser on client machines and a database engine on the server. The course includes programming the user interface and the database interface. Prerequisite: CSC 310. 4 Semester Hours.

CSC 420 Principles of Programming Languages
A study of the principles of the design and implementation of computer programming languages. Topics include syntax, lexical analysis, Backus-Naur Form, parsing, compilers, interpreters, binding, and the run-time environment. Languages of various types are examined. Prerequisites: CSC 220 and MTH 125. 4 Semester Hours.

CSC 430 Programming Parallel Computing Systems
This course provides the student with an in-depth introduction to programming parallel computer systems. Major topics include the taxonomy of parallel systems and parallel algorithms. Programming assignments on GPU systems will provide hands-on experience. Prerequisites: MTH 125, CSC 220 and either CSC 226 or CSC 228. 4 Semester Hours.

CSC 450 Theory of Computation
Topics covered include finite automata, pushdown automata, Turing machines, regular languages, context-free languages, recursively enumerable languages, and the halting problem. Prerequisites: CSC 220 and MTH 125. 4 Semester Hours.

CSC 460 Network Security
This course provides an introduction to the subject of computer and network security. It will cover major threats to security and tools developed to defend against such threats. Prerequisite: CSC 260. 4 Semester Hours.

CSC 470 Computer Architecture and Design
An examination of design principles and techniques used in contemporary microprocessors and computers to achieve high performance. Topics include pipelining, caching, parallelism, code optimization, and case studies of real-world systems. Prerequisites: CSC 220 and CSC 270. 4 Semester Hours.

CSC 480 Artificial Intelligence Foundations
An introduction to the concepts and programming techniques of the field of Artificial Intelligence, With special emphasis on the data structures commonly used to represent information in AI applications. Prerequisite: CSC 220, DSC 230 or DSC 250. 4 Semester Hours.

CSC 482 Advanced Artificial Intelligence Systems
An in-depth study of the programming techniques involved in Artificial Intelligence applications, along with an intentional exploration of ethical considerations and the societal implications of the expanded use of AI in the world. Prerequisite: CSC 480 or permission of instructor. 4 Semester Hours.

CSC 491 Software Engineering Fundamentals
A study of software development characterized by a practical, orderly and measured development process. The dominant features of this process are requirements specification, selection of a software life cycle model, software testing, project management techniques and quality assurance. Prerequisite: Junior standing in the CS or MPSD major. 2 Semester Hours.

CSC 492 The Practice of Software Engineering
A continuation of the study of software engineering practices begun in CSC 491. Issues of team-building, project planning and configuration management will be explored. Each student will complete a significant software development or research project as part of a team. Prerequisite: CSC 491. 2 Semester Hours.

CSC 494 Honors Thesis/Project
A research/project course designed to meet the needs of the individual student seeking honors in the major at graduation. Prerequisites: junior or senior standing, and approval of the instructor, the department chair and the Honors Review Board. Credit variable, 4-8 Semester Hours.

CSC 496 Independent Study
Students design and implement a project. A contract signed by the student, the instructor, and the department chair details the specific project requirements. May be repeated for credit. Prerequisites: Senior standing. 2-4 Semester Hours.

CSC 499 Internship
This course provides a significant learning experience outside of the academic environment and related to the student's career goals. Students conduct their internship activities at an industrial, business, or financial organization, or at a research laboratory. A contract signed by the student, the supervisor, and the departmental representative details the specific activities and requirements. May not be repeated for credit. Prerequisites: Senior standing, cumulative average of 2.50, average of 3.00 in computer science courses, and recommendation of the Computer Science Internship Selection Committee. 4-16 Semester Hours.

Web Design

CSW 123 Introduction to Web Development
In this course, students will learn the fundamentals of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to develop websites. Throughout this course, students will apply visual design principles when creating professional websites that are accessible and follow universal design principles. 4 Semester Hours.

CSW 223 Programming for Interactive Media
Implementation of industry-standard programming concepts using modern web programming languages and frameworks. Concepts include tools and techniques for development of web content, with emphasis on coding and interactivity. Prerequisite: CSW 123. 4 Semester Hours.

CSW 423 Interaction Design
This course is concerned with the design, evaluation and implementation of interactive computing systems for human use and with the study of major phenomena surrounding them. Basic design theory from both art and computer science will be studied. Prerequisite: CSW 223. 4 Semester Hours.

Criminal Justice

CRJ 105 Introduction to Criminal Justice
This course will introduce the student to the field of criminal justice. Basic information on the police, courts and correctional systems and how they interrelate will be presented. An emphasis will be placed on contemporary issues in the criminal justice system. 4 Semester Hours.

CRJ 199 Special Topics
See All-University 199 course description.

CRJ 201 Law Enforcement
This course is designed to provide basic level information on the structure and function of law enforcement and law enforcement techniques in the United States. Theoretical models explaining law enforcement practices will be discussed. Contemporary issues in law enforcement as well as career options will also be examined. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 203 Community Corrections
This course is designed for students who are interested in areas of criminal justice that are not directly related to law enforcement. Areas such as probation, parole and juvenile justice will be explored. A brief summary of the history of each area will be explored. Career options in these areas will also be addressed. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 208 Diversity Issues in Criminal Justice
This course will explore a wide variety of current issues involving minorities and women as perpetrators, victims and employees of the criminal justice system. Students will actively participate in analyzing potential solutions to contemporary problems in regard to minorities and women in criminal justice. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 210 Careers in Criminal Justice
This course is a practical examination of careers in criminal justice. It will include guest speakers who are criminal justice practitioners in areas such as law enforcement, corrections, homeland security, and private security. Assignments will be designed to improve student understanding of various career opportunities and improve student ability to pursue those opportunities. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 290 Security and Event Management
This course is designed to provide students with an opportunity to examine the security industry (private and public), and its place in today's society. Students will be offered the opportunity to meet with, hear from, and work with members of the profession and to consider their own future career goals. Prerequisite: CRJ105. 4 Semester Hours.

CRJ 299 Special Topics
See All-University 299 course description. Prerequisite: CRJ 105.

CRJ 301 Crime Investigation
This course covers the fundamental principles and procedure employed in the investigation of a crime. Emphasis is placed on the investigation of specific crimes, the identification of sources of information and the procedures necessary for the proper handling of evidence. This course is designed to develop a working knowledge of the steps of investigation beginning with the initial security of the crime scene and concluding with the preparation of the courtroom report. Prerequisites: CRJ 105 and CRJ 201; or permission of the instructor. 4 Semester Hours.

CRJ 308 Criminal Procedure
This course will examine the procedures involved in the processing of crime, including the elements that define specific crimes and the progression of criminal cases from evidence collection and suspect interviews through prosecution. The course will familiarize students with steps involved in the criminal process and constitutional rights of the accused. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 325 Treatment Methods in Criminal Justice
This course is designed to familiarize students with issues related to treatment methodology in corrections. It focuses on principles and theories related to treatment methodologies, with an emphasis on offender rehabilitation. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 335 Offender Behavior
This course is designed to familiarize students with profiling serial killers. Students will study key information related to profiling, learn how to integrate profiling techniques, and develop an understanding of various other concepts related to profiling serial killers. The emphasis of the course is integration of material and developing the ability to profile. Prerequisites: CRJ 105 and CRJ 201. 4 Semester Hours.

CRJ 340G Victimology
This course is designed to provide students with the opportunity to learn more about a forgotten population within the criminal justice system: the victims of crime. It is important for students to understand that when a crime is committed, more often than not, there is also a victim or victims. This course will help students understand the role that victims play in the criminal justice process. The content of this class focuses on types of victims, victim services, and trauma recovery. Students are challenged to think critically about the issues presented. Prerequisite: CRJ 105. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

CRJ 345 Gangs and Organized Crime
This class familiarizes students with the subject of organized crime. Students will examine major theoretical perspectives and key case studies to understand the way that different organized crimes are perpetrated and combatted. Issues will be examined from multiple disciplinary perspectives. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 355 Law Enforcement Administration
The primary focus of this course is on current organizational theories in law enforcement. These theories will be explored in relation to the management and administration of criminal justice agencies through both classroom exercises and experiential learning. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 360 Investigative Interviewing
This course explores the basic foundations of interviewing victims, witnesses and suspects. These foundations include communication models, question formats, topic control, distortions, inhibitors, facilitators and types of interviews. It also considers

Constitutional and due process issues. Students will learn the role of interviewing as it relates to the criminal justice system as well as police and community relations. Prerequisites: CRJ 105 and CRJ 201. 4 Semester Hours.

CRJ 370 Blood Evidence
This course provides students with an in-depth look into examining, collecting, documenting, and testifying about issues related to blood evidence at a crime scene. Students will have the opportunity to examine, collect, and document blood evidence in a practical (scenario based) environment. The course is designed to provide a working knowledge of the criminal investigative process where the students will have to qualify their actions in the process in a prosecution style format. Prerequisites: CRJ105, CRJ 201 and CRJ 301. 4 Semester Hours.

CRJ 399 Special Topics
See All-University 399 course description. Prerequisite: CRJ 105.

CRJ 410 Advanced Seminar
The topics for this seminar will vary. Examples of potential topics include violence and society, administration of justice, and victimology. Students must be prepared to work within the framework of a seminar-style format. Students may repeat this course one time, due to the rotation of topics. Prerequisite: CRJ 105. 4 Semester Hours.

CRJ 490 Senior Culminating Experience
This course involves planning and developing an original research project. Topics and activities include developing research questions, examining theoretical issues, reviewing literature, articulating hypotheses, and describing the methods that are used to answer research questions. In developing and presenting a research proposal, students will incorporate knowledge gained from previously-taken criminal justice courses. Prerequisites: CRJ 105, CRJ 208, CRJ 210, CRJ 308, or SOC 365, SOC 205, and SOC 364. Cross-listed as SOC 490. 4 Semester Hours.

CRJ 494 Honors Thesis/Project
See All-University494 course description.

CRJ 499 Internships
See All-University 499 course description. Cross-listed as SOC 499. 1-16 Semester Hours.

Data Science

DSC 140S Data Science Fundamentals
This course provides an introduction to data science, including importing and exporting data, data cleaning and preparation, visualization and statistical analysis, and basic programming skills in programming languages commonly used in the data science field. It will also explore strengths and limitations of modern data analysis, and some of the ethical issues that emerge from the use of data science. Students will gain a general understanding of data science terms, approaches to problems, and strategies for effectively using data science. 4 Semester Hours.

DSC 199 Special Topics in Data Science and Analytics
See All-University 199 course descriptions.

DSC 210 Data Visualization with Power BI
A practical introduction to Microsoft's Power BI. Students will learn to navigate the Power BI interface, import data from various sources, engage in data cleaning and modeling using Power Query and DAX, and effectively visualize data with interactive reports and dashboards. Example data sets will be drawn from diverse sources. Prerequisite: ACC 205, CSC 100, DSC 140S, or FIN 320. 2 Semester Hours.

DSC 230 Advanced Data Visualization
A study of data visualization techniques in modern programming languages. Students will learn how to obtain diverse data from remote databases, websites (scraping), and online APIs; how to clean and organize the data; and how to create complex and informative data visualizations. Example problems may come from such domains as customer relations management, price modeling, social media analytics, scientific experimental results and political survey data and demographics, among many others. Prerequisite: DSC 140S. 2 Semester Hours.

DSC 250 Scientific Modeling and Data Analysis
This course serves as a focused introduction to programming for scientists and engineers. Topics include algorithm development, statistical tests, the fast Fourier transform (FFT), simulating the dynamics of systems represented by coupled ordinary differential equations (e.g. planetary motion via Runge-Kutta methods), numerical integration, root finding, fitting functions to experimental

data, and the creation of publication-quality graphics. Students choose and complete an independent research project on a topic related to their major. This course enables students to integrate computation into advanced courses in theoretical and/or experimental science. Programming language: Python. Prerequisite: MTH 141 or DSC 140S. 4 Semester Hours.

DSC 299 Special Topics in Data Science and Analytics
See All-University 299 course descriptions.

DSC 330 Data Acquisition and Analysis
A hands-on course in the methods of experimental physics, with a focus on the interfacing of software and hardware for data acquisition and analysis. The course will cover advanced topics from classical mechanics, thermodynamics, electrodynamics, and quantum mechanics, and the communication of scientific results through written and oral presentations. Four laboratory hours per-week. Prerequisite: PHY 211, PHY 230V, or DSC 250. 4 Semester Hours.

DSC 340 Machine Learning and Neural Network Processing
A course focused on machine learning methods and basic neural network construction and operation with special emphasis on deep learning concepts. Deep learning is a form of machine learning that enables computers to learn from experience and ultimately understand the world. In this course, students will learn the foundations of machine learning, understand how to build neural networks, and experience a machine learning project of the students' own design. Prerequisite: CSC 120 or DSC 250. 4 Semester Hours.

DSC 345 Interpretability and Advanced Applications of Neural Networks
This course examines advanced applications of neural networks within fields such as natural language processing, computer vision, reinforcement learning, and generative modeling. Students will explore modern neural network architectures, including attention mechanisms, transformers, graph neural networks, and deep generative models. This course will also consider the interpretability and scalability of these modern architectures, along with the ethical considerations of gathering data to train these models. Prerequisites: DSC 340 or permission of instructor. 2 Semester Hours.

DSC 350 Data Mining
This course trains students in advanced methods for extracting knowledge from structured and unstructured data up to a volume measured in terabytes. Preliminary topics include data preprocessing (cleaning, integration, reduction, transformation, and discretization), natural language processing, and methods for data warehousing. Advanced topics include pattern mining, anomaly detection, classification, and cluster analysis. The course is grounded in practical, illustrative, and hands-on problems drawn from a diverse selection of real-world data sets. Prerequisite: DSC 230 for DSC 250. 4 Semester Hours.

DSC 360 Big Data Analytics
This course introduces students to the field of Big Data, which is characterized by volume (beyond terabytes), velocity (in terms of both speed of data generation and rate of analysis) and variety (structured, unstructured, and semi-structured) and consequently requires practitioners to move beyond traditional relational database management systems (RDBMS). Students are introduced to topics such as high-performance computing, non-relational database systems including NoSQL, batch processing, parallel computing, cloud services such as Microsoft Azure, and analysis of Big Data via Hadoop. Algorithms and visualization techniques relevant to Big Data are explored, with case studies drawn from practical domains such as Advertising, Bioinformatics, Financial Services, National Security, Social Media, and Transportation. Prerequisite: DSC 230 or DSC 250. 4 Semester Hours.

DSC 399 Special Topics in Data Science and Analytics
See All-University 399 course descriptions.

DSC 440 Data Science Practicum
Students apply knowledge and skills acquired in previous data-science-related courses to an analytics problem over a large data set. Written and oral presentation of results will be emphasized in assessing student performance in the course for a grade. Prerequisites: DSC 230 or 340. 2 Semester Hours.

DSC 499 Internship in Data Science and Analytics
An experience-based course designed for juniors and seniors. Students are placed in appropriate positions where previous classroom learning may be integrated with a work experience. The exact location, program, and method of evaluation are provided in a contract drawn between the student, the faculty sponsor and host internship supervisor. Registration by arrangement with the faculty sponsor and department chair. Specific restrictions may apply. 1-16 Semester Hours.

Economics

ECN 105S Introduction to Economics
An introduction to the tools and techniques of economic analysis. Economics principles and concepts are used to examine current issues such as pollution, education, health care, poverty, housing, discrimination, international trade, national debt, inflation and unemployment. Designed for majors outside the School of Business. Not open to students with credit for both ECN 200S and ECN 207. 4 Semester Hours.

ECN 200S Introduction to Microeconomics
An introduction to economic principles and analytical tools needed to think intelligently about social and economic problems. The course looks at the behavior of individual economic units--consumers, producers, and workers—and examines topics such as opportunity cost, gains from trade, market equilibrium, price controls, consumer decision-making, production, cost, market structure, input markets, and externalities. The course emphasizes concepts and principles and their use in analyzing economic issues. Prerequisite: MTH 100 with a grade of a C- or higher, or satisfactory math placement. 4 Semester Hours.

ECN 207 Introduction to Macroeconomics I
The first introductory course to Macroeconomics. It is designed primarily for majors in the Department of Economics, Accounting, and Business Administration. The course will expose students to useful tools, including problem solving and analytical thinking. Students will learn about how our personal choices affect the economy as a whole. It will illustrate measures of aggregate economic activity, unemployment, inflation, savings, investment, monetary policy, fiscal policy, government budget, national debt and international trade. Prerequisites: ECN 200S or ECN 105S. 2 Semester Hours.

ECN 299 Special Topics in Economics
See All-University 299 course description.

ECN 310V Health Economics
This course examines how economic analysis can be applied to various components of the health care system. Microeconomic theory is used to understand the operation of health care markets and the behavior of participants (consumers, insurers, physicians, and hospitals) in the health care industry. International comparisons and the role of the public sector will be included. Prerequisites: ECN 105S or ECN 200S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ECN 315 Money and Banking
A study of the nature and definition of money, the role of money and financial institutions in the macro-economy, interest rates, monetary policy, the demand for and supply of money, financial crises, and the Federal Reserve System. Prerequisites: ECN 200S, ECN 201 and ECN 207. 4 Semester Hours.

ECN 327G International Trade
An analysis of international economics using the tools of microeconomics: the pure theory of trade, trade in intermediate goods, trade with imperfect competition, tariffs, quotas, discriminatory and non-discriminatory trade liberalization, regional integration, migration, and the World Trade Organization. Prerequisites: ECN 105S or ECN 200S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ECN 330G Economics of Gender
This course examines the impact of gender differences on economic opportunities, activities, and rewards. Economic issues emphasized are labor force participation, earnings, investment in human capital, and gender segregation in the workplace. Cross-societal comparisons also will be made. Prerequisites: ECN 105S or ECN 200S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ECN 360V Managerial Microeconomics
Intermediate microeconomic theory from the perspective of the business manager. Topics are similar to those of ECN 200 but are presented at a more advanced level: household decision-making, behavioral economics, prices, production, cost, wages, market structure, the contributions of game theory to the understanding of economic behavior. An empirical project using regression analysis. Previous exposure to finding derivatives of polynomials and using Ordinary Least Squares regression analysis to test hypotheses will help you with the project. This course is intended to serve the requirements of both the economics majors for intermediate microeconomics and the business majors for managerial economics. Prerequisites: ECN 105S

or ECN 200S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ECN 365G Global Macroeconomics
A course in international monetary economics and intermediate open-economy macroeconomics. Foreign exchange rates, balance of payments, capital flows, international indebtedness, common currencies, alternative international monetary systems. The analysis of consumption, investment, government expenditures, exports, and imports. A study of monetary, fiscal, and exchange-rate policies. Responses to international economic crises. The role of the IMF. Short-run business cycle concerns and long-run economic growth. Prerequisites: ECN 200S and ECN 207. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ECN 380 Comparative Economic Systems
An examination of the basic institutions of capitalism, socialism and communism from an economic point of view. The course stresses the development and functioning of present varieties of these "isms." Special emphasis is given to those countries of the former Soviet Union and Central and Eastern Europe which are making the transition from centrally planned socialistic states to market economies. Prerequisite: ECN 105S and ECN 207. 4 Semester Hours.

ECN 390 Economies of the Asian Pacific Rim
A survey of the economic development, current trends, as well as future prospects and challenges of the economies of Northeast and Southeast Asia. The course emphasizes the macro-level economic realities in individual countries as well as evolving patterns of economic regionalism. Current event analyses and country-specific case studies will feature prominently in the course as well. 4 Semester Hours.

ECN 399 Special Topics in Economics
See All-University 399 course description.

ECN 401 SCE in Economics
The student majoring in economics completes a Senior Culminating Experience (SCE) by doing research on a topic that stems from an upper-level (300- or 400-level) economics course already completed. The particular requirements for the SCE such as the issue to be studied, the type of research (quantitative or qualitative) to be undertaken, and the method of reporting the results should be discussed with the instructor during the previous semester. Prerequisite: declared major in economics and permission of instructor. 1 Semester Hour.

ECN 494 Honors Thesis/Project
See All-University 494 course description.

ECN 499 Internship in Economics
An experience-based course in which a student works in an appropriate business or agency. Previous classroom learning is integrated with the work experience. The location, program, method of education, and method of assessment are provided in a contract drawn between the student, the department faculty internship coordinator, and the host internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Will count as only one course towards the major or minor in economics. Graded S/U. Prerequisite: departmental approval. 1-16 Semester Hours.

Education

Adolescence to Young Adult

AYA 315 Teaching Social Studies
This course develops the candidate's skill in teaching social studies as active and student-centered, while being mindful of the need to remember important civic, economic, geography, and history content. The goal is to develop strategies to excite middle and high school students about social studies. Candidates learn effective assessment techniques and methodology aligned with state and national standards. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

AYA 320 The Teaching of Mathematics
A mathematical methods course for students who are preparing to teach in adolescence to young adult programs. Content includes theories, models and strategies for teaching diverse learners, planning instruction, creating effective learning environments and

collaboration with parents and other professionals. Emphasis is placed on helping the student to develop the professional knowledge base necessary for success in accordance with the requirements of State and other educational agencies. Field experience is required in order to complete course assignments. Prerequisite: MTH 142 and permission of the instructor. 4 Semester Hours.

AYA 325 Teaching English Language Arts
Mindful of the challenges of standards-based instruction this course develops the candidate's skill in teaching language arts as active and student centered, while emphasizing many aspects of traditional English instruction. Candidates will learn strategies for teaching the various genres, including writing, literature, grammar, speech arts, journalism, drama and literary criticism. Effective assessment techniques will also be included. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

AYA 335 Teaching Science
Mindful of the challenges of standards-based instruction, this course develops the candidate's skill in teaching science as active and student centered, emphasizing the scientific method. Candidates will learn the importance of collecting and drawing conclusions from data, based on the assumption that good science teachers model independent thinking, research and asking logical questions. Candidates will also learn effective assessment techniques. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

AYA 460 Preclinical - Adolescence to Young Adult
During the preclinical experience, candidates will plan effective instruction, and design classroom contexts for learning in a 7 - 12 grade level setting. Candidates plan learning activities to promote a full range of competencies for each student to address learners' diversity. A special emphasis is on promoting a positive learning environment, data driven instruction, comprehensive lesson planning, self-reflection, professional development, and a commitment to lifelong learning. Preclinical requires a minimum of 100 clock hours in the field. This course is graded S/U. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

AYA 470 Clinical Practice-Adolescence to Young Adult
During the clinical experience, candidates assume all responsibilities of teaching in a 7-12 grade level setting. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

Education

EDU 150 Introduction to Teaching Profession
This introductory course is designed to familiarize future teachers with the important issues existing in educational theory and practice. Each student is obligated to develop a personal philosophy of education to be able to analyze basic concepts such as ethical and legal issues facing teachers, to understand the meaning of professionalism, and to incorporate appropriate methods of teaching. Successful fieldwork is required in order to complete the course requirements. 200 minutes of class and 100 minutes of lab per week. 4 Semester Hours.

EDU 210 Children's Literature
A course exploring the scope, importance and content of literature for children. Students will be exposed to the techniques of evaluation and methods of presenting and studying literature with children. Priority is given to students seeking licensure in inclusive primary education. 4 Semester Hours.

EDU 218 Educational Technology
This course provides an introduction to the application and introduction of emerging educational technologies in teaching and learning using strategies in design, selection, development, integration, assessment, and evaluation. Candidates examine current trends and gain an understanding of the appropriate integration of technology and instruction. Field experience is required in order to complete course assignments. Prerequisite: EDU 150. 4 Semester Hours.

EDU 230 Student Development: Implications for Planning and Teaching. Student Development
Learning developmentally appropriate practice for young children, preadolescent and adolescent development, and a focus on cognitive, social and behavioral development of all ages are key elements of this course. An understanding of differentiated instruction for teaching students with ELL, and exceptionalities including an emphasis on dyslexia. Other topics developed include lesson planning, writing objectives, standards based decision making, and planning. This course is required for those individuals seeking adolescent to young adult, multiage, and middle school licenses. Field experience is required in order to complete course assignments. Prerequisite: EDU 150 or MUS 150. 4 Semester Hours.

EDU 234 Interdisciplinary Planning for Diverse Learners and Families
Candidates develop an understanding of the central concepts of teaching and learning. They learn to organize, integrate cross disciplinary skills, and develop meaningful learning progressions for diverse learners and families including students with exceptionalities and ELL. Field experience is required in order to complete course assignments.
Prerequisite: EDU 150. 4 Semester Hours.

EDU 250 Foundations and Management of the Middle and High School Classroom
This course explores contemporary theories and principles of development, learning, motivation, and classroom management as they relate to the educational process. Special emphasis will be placed on applications to adolescence. The course will help candidates develop identities as future teachers and learn to facilitate student engagement and academic success by incorporating student cultures, experiences, and identities into welcoming educational communities. Field experience required. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 270 Practicum 1 - AYA/Multiage
This practicum is designed for teacher candidates seeking a multiage or adolescence to young adult teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, volunteering at after school activities, and basic teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

EDU 315G Multicultural Education
This course introduces students to the conceptual, theoretical, historical, and philosophical issues of multicultural education. The underlying theme of the course is that education is a social concept that should be made accessible and equitable to all students, as it equips them to successfully function in society. Current issues (race, culture, socioeconomic status, gender, religion, sexual orientation, language, and geographic location) impacting society and their effects on education and learning are addressed. Students are encouraged to be agents of change in their future schools and other workplaces. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

EDU 340 Phonics, Process, and the Structures of Language Acquisition
This course explores theoretical and evidence-based foundations of literacy and language including concepts of phonological and phonemic awareness, phonics, word recognition, fluency, vocabulary, and spelling. Course content offers an overview of the range of language development emphasizing terminology, acquisition, development, physiological and psychological systems as candidates interact with a variety of print and digital media. Candidates explore various instructional approaches and assessments, plan lessons, and deliver quality instruction to meet the needs of all learners, including a focus on individuals with diverse backgrounds, experiences, and abilities. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 350 Teaching Language Arts and Social Studies to Young Adolescents
This course focuses on the integration of language arts and social studies at the middle level. Candidates will explore the dynamic context and needs of language arts and social studies classrooms and design engaging lessons that integrate language arts and social studies, including the use of literature and technology to meet the needs of diverse learners. Additionally, the candidates will analyze the alignment of language arts and social studies standards with the development of the young adolescent. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 355 Content Area Literacy
Emphasis is placed on the development, purpose, methods, materials, technology and processes of teaching reading and writing and study skills, applicable to the content areas in grades 7-12 as well as for Multiage Programs. A firm knowledge base and skills in planning, instruction and assessment, based on the Ohio Department of Education's Competency-Based Language Arts Model curriculum, is developed. The understanding of reading and writing, as well as the other language arts strands as interactive processes influenced by various factors and sensitive to individual differences (e.g., diversity, exceptionality), is emphasized. Special attention is given to unit integration and integrating various types of literature (e.g., multicultural, gender studies) in the content areas. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 360 Teaching Mathematics and Science to Young Adolescents
This course focuses on the integration of mathematics and science at the middle level. Candidates will explore the dynamic context and needs of mathematics and science classrooms, and design engaging lessons that integrate mathematics and science, including the use of inquiry and technology to meet the needs of diverse learners. Additionally the candidates will analyze the alignment of mathematics and science standards with the development of the young adolescent. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 370 Practicum II - AYA/Multiage
This practicum is designed for teacher candidates seeking a multiage or adolescence to young adult teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 270. 1 Semester Hour.

EDU 375 Practicum III - AYA/Multiage
This practicum is designed for teacher candidates seeking a multiage or adolescence to young adult teaching license. The candidate assumes responsibilities of completing various-field based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 370. 1 Semester Hour.

EDU 408 Multiple Licensure Practicum
This course is designed for candidates seeking multiple teaching licenses and/or endorsements. The candidate assumes responsibilities of teaching various lessons and other teaching requirements for a minimum of 50 clock hours in the additional licensure/endorsement area being sought. The course is graded S/U and may be repeated for credit. Prerequisite Admission into the Teacher Education Program. 2 Semester Hours.

EDU 410 Professional Practicum
Candidates work with a faculty member to design a field experience that enhances their education related curriculum. The candidate assumes responsibilities and meets with faculty member regularly. The practicum field experience can range from 25-100 clock hours. The numbers of credit hours can range from 1-4 depending on the completed number of clock hours and requirements. The course is graded S/U and may be repeated for credit. Prerequisite: Admission into the Teacher Education Program and permission of the instructor. 1-4 Semester Hours.

EDU 440 Assessment, Instructional Design, and Evaluation in Education
Assessment, Instructional Design, and Evaluation in Education: This course focuses on assessment development, student data analysis, growth models, accountability systems, teacher evaluation systems, and current trends in educational policy. Candidates will evaluate and design assessments, analyze student data, and collaborate with one another and in-service professionals. Field experience is required for this course. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

EDU 470 Clinical Practice-Multiage
During the clinical experience, candidates assume all responsibilities of teaching in P-12 grade level setting. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

EDU 478 Clinical Practice-Multiple Licenses
During the clinical experience, candidates assume all responsibilities of teaching in two different licensure types where teaching is equally divided between the two experiences. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

Intervention Specialist – Primary Education

ISE 320 Intervention Specialist Methods
This course focuses on the selection, adaptation, and the use of instructional strategies to promote primary student's learning. Methods for designing and implementing instruction to assure acquisition and fluency through maintenance and generalization development are emphasized. Individualized Education Programs are developed. Field experience with young children is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISE 380 Applied Behavioral Analysis for Intervention Specialist Teachers
This course considers theories, basic principles and procedures of classroom and behavior management in preschool and primary school settings. The principles of applied behavior analysis are emphasized. Candidates gain an understanding of classroom management and behavioral principles including PBIS and how to apply that knowledge in the classroom. Field experience with young children is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISE 440 Intervention Specialist Assessment and Literacy Practices
This course focuses on general, specialized, and literacy assessment strategies and the use of multiple types of assessment information for a variety of educational decisions. Legal policies and ethical principles of measurement and assessment related to referral, eligibility, program planning, instruction, and placement for young children with educational learning needs. Candidates collaborate with families and other colleagues to assure nonbiased, meaningful assessment and decision making. Field experience with a young child is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISE 450 Understanding Preschool Children with Exceptionalities & The Learning Environment
This course prepares candidates to know and understand the characteristics and developmental needs of preschool children (ages 3-5) with special needs. The course will explore topics such as medical aspects and physical management implications of working with preschool children with disabilities. Candidates will be prepared to promote the growth and development of special needs children in a respectful, safe, and healthy learning environment. A preschool-based field experience in an intervention setting of 25 hours will be required. Prerequisite: ISP 220 and Admission into the Teacher Education Program. 2 Semester Hours.

ISE 455 Instructional Strategies and Effective Collaboration for Preschool Children with Exceptionalities
This course will prepare candidates to plan and deliver effective instruction that advances the learning of preschool children (ages 3-5) with exceptionalities. Candidates will understand and use developmentally appropriate assessments to information instruction, evaluate, and ensure student learning. Candidate will learn strategies to collaborate and communicate with families, other professionals and the community to support student learning. A preschool-based field experience in an intervention setting of 25 hours will be required. Prerequisite: ISP 220 and Admission into the Teacher Education Program 4 Semester Hours.

Intervention Specialist – Mild/Moderate

ISM 320 Intervention Specialist Methods
This course focuses on the selection, adaptation, and the use of instructional strategies to promote elementary, middle school and high school student learning. Methods for designing and implementing instruction to assure acquisition and fluency through maintenance and generalization development are emphasized. Individualized Education Programs are developed. Field experience with older students is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISM 380 Applied Behavioral Analysis for Intervention Specialist Teachers
This course considers theories, basic principles and procedures of classroom and behavior management in elementary, middle and high school settings. The principles of applied behavior analysis are emphasized. Candidates gain an understanding of classroom management and behavioral principles including PBIS and how to apply that knowledge in the classroom. Field experience with older students is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISM 440 Intervention Specialist Assessment and Literacy Practices
This course focuses on general, specialized, and literacy assessment strategies and the use of multiple types of assessment information for a variety of educational decisions. Legal policies and ethical principles of measurement and assessment related to referral, eligibility, program planning, instruction, and placement for older students with educational learning needs. Candidates collaborate with families and other colleagues to assure nonbiased, meaningful assessment and decision making. Field experience with an older student is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

Intervention Specialist

ISP 220 Introduction to the Exceptional Learner
This course based on standards set by the Council for Exceptional Children (CEC), includes a focus on the cognitive, social, and behavioral development of typical and atypical learners. An understanding of the relationship of special education to schools, school systems, and other agencies is emphasized. Field experience may be required in order to complete course assignments. Prerequisites: None. 4 Semester Hours.

ISP 225 American Sign Language
This is a course for students with no prior knowledge of American Sign Language (ASL). This course is designed to develop the students' receptive skills, and secondarily to develop their expressive and conversational sign language skills in everyday situations with a focus on vocabulary development, grammatical features, syntax, and structure. American Deaf culture and history are also studied with an emphasis on making comparisons and connections to one's own culture, values, and social norms. ISP 225 and courses in American Sign Language may not be used to meet the world language proficiency requirement. 4 Semester Hours.

ISP 270 Practicum I - Intervention Specialist
This practicum is designed for teacher candidates seeking an intervention specialist teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, volunteering at after school activities, and basic teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

ISP 370 Practicum II - Intervention Specialist
This practicum is designed for teacher candidates seeking an intervention specialist teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: ISP 270. 1 Semester Hour.

ISP 375 Practicum III - Intervention Specialist
This practicum is designed for teacher candidates seeking an intervention specialist teaching license. The candidate assumes responsibilities of completing various-field based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: ISP 370. 1 Semester Hour.

ISP 460 Preclinical Practice - Intervention Specialist
During the preclinical experience, candidates will plan effective instruction, and design classroom contexts for learners with exceptionalities. Candidates plan learning activities to promote a full range of competencies for each student to address learners' diversity. A special emphasis is on promoting a positive learning environment, data driven instruction, comprehensive lesson planning, self-reflection, professional development, and a commitment to lifelong learning. Preclinical requires a minimum of 100 clock hours in the field. This course is graded S/U. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

ISP 470 Clinical Practice-Intervention Specialist
During the clinical experience, candidates assume all responsibilities of teaching learners with exceptionalities in a school settings. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

Middle Childhood

MCH 270 Practicum I - Middle Childhood
This practicum is designed for teacher candidates seeking a middle childhood teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, volunteering at after school activities, and basic teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

MCH 315 Teaching Social Studies in the Middle School
This course includes a study of the objectives, content, materials, methods, and assessment of instruction essential for teaching social studies in the middle school. Meeting state and national standards for social studies will be emphasized along with key content in civics, economics, geography, and history. Content related to Ohio history, government, geography, and economy will be included. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 320 Teaching Mathematics in the Middle School
A national and state standards-based study of the goals, content, materials, technology and methods of teaching mathematics in the middle school is emphasized. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 325 Teaching English Language Arts in the Middle School
This course focuses on the theories, issues, purposes, materials, technology and processes for teaching the language arts with special attention to narrative reading and writing in the middle school. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 335 Teaching Science in the Middle School
A national and state standards-based study of objectives, content, materials, technology and methods of teaching science in the middle school is emphasized. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 345 Content Area Reading and Writing in Middle School
Emphasis is placed on the development, purpose, methods, materials, technology, and processes of teaching reading and writing and study skills, applicable to the content areas in the middle school curriculum. A firm knowledge base and skills in planning, instruction, and assessment, based on the Ohio Department of Education's Competency-Based Language Arts Model curriculum and Association of Middle Level Educators (AMLE) Standards, is developed. The understanding of reading and writing, as well as the other language arts strands as interactive processes influenced by various factors and sensitive to individual differences of young adolescents (e.g., diversity, exceptionality), is emphasized. Special attention is devoted to understanding collaboration in designing interdisciplinary teaching units appropriate for a diverse population of young adolescents. Field experience is required in order to complete course assignments. Prerequisite: Admission to the Teacher Education Program. 4 Semester Hours.

MCH 370 Practicum II - Middle Childhood
This practicum is designed for teacher candidates seeking a middle childhood teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: MCH 270. 1 Semester Hour.

MCH 375 Practicum III - Middle Childhood
This practicum is designed for teacher candidates seeking a middle childhood teaching license. The candidate assumes responsibilities of completing various-field based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: MCH 370. 1 Semester Hour.

MCH 440 Middle Childhood Assessment and Literacy Practices
This course explores theories of assessment and multiple forms of current literacy assessment and instruction for middle school grades. The field experience includes an intensive case study, which incorporates reading assessment as a function of interdisciplinary content, as well as diagnosis and remediation of a school-aged student. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 460 Preclinical - Middle Childhood
Preclinical experience, candidates will plan effective instruction, and design classroom contexts for learning in a 4-9 grade level setting. Candidates plan learning activities to promote a full range of competencies for each student to address learners' diversity. A special emphasis is on promoting a positive learning environment, data driven instruction, comprehensive lesson planning, self-reflection, professional development, and a commitment to lifelong learning. Preclinical requires a minimum of 100 clock hours in the field. This course is graded S/U. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

MCH 470 Clinical Practice-Middle Childhood
During the clinical experience, candidates assume all responsibilities of teaching in a 4-9 grade level setting. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

Physical Education Pedagogy

PEP 110 Team Games
Students will learn various team games including invasion games, net/wall games, fielding/run-scoring games, and target games. Students will also be exposed to various fitness activities and methods of assessing fitness for use as teachers of children and adolescents. 2 Semester Hours.

PEP 130 Lifetime Leisure Activities
Students will be exposed to various activities providing knowledge and application of skills enabling students to participate in activities for a lifetime. This course includes activities such as walking, jogging, golf, tennis, outdoor activities, racquetball, bicycling, and disc golf will be taught in this course. 2 Semester Hours.

PEP 150 Lifetime Fitness Activities
Students will be exposed to various activities providing knowledge and application of fitness skills and concepts to promote a healthy lifestyle. Students will also be exposed to various methods of assessing fitness, maintaining current fitness levels, and improving one's fitness. 2 Semester Hours.

PEP 430 Motor and Developmental Learning
The purpose of this course is to expose students to the various components of motor control and developmental learning. Students will gain an understanding of skill acquisition and learning in various contexts. Students will learn the basic concepts and issues of biological and psychological growth and development from conception through adulthood. Emphasis will be placed on psychomotor, cognitive, and affective development throughout the lifetime. Prerequisites: PEP 110, PEP 130, EXS 110 and EXS 220. 4 Semester Hours.

PEP 450 Methods in Teaching Health and Physical Education
The purpose of this course is to expose students to the fundamental concepts and principles of teaching children health education and physical education. Content will focus on grades P-5 with implications for the selection, adaptation, and teaching of appropriate professional content. The understanding of movement concepts, fundamental motor skills, specialized motor skills, and skill themes will be emphasized. Integrating these concepts into a developmentally appropriate curriculum accompanied with developmentally appropriate pedagogy will also serve as a primary focus of the course. This course contains a field experience requiring students to complete field hours in a P-5 setting. Prerequisites: PEP 110, PEP 130, and PEP 150 or permission of professor. 4 Semester Hours.

PEP 451 Advanced methods in teaching health and physical education (SCE)
This course will provide the theory, content, and experiential learning opportunities for teacher candidates to acquire knowledge and competencies in curricular design, instructional methods, use of technology and other resources, promoting health, and meeting diverse needs in the classroom and gymnasium. The understanding of invasion, net/wall, fielding/run-scoring, and target games and strategies for teaching these games will be provided. Additionally, lifelong activities such as tennis, golf, fitness and physical activity, outdoor activities, bicycling, and racquetball accompanied with strategies for teaching these activities will also be emphasized. Teaching and assessing the National Health Education Standards, CDC risk behaviors, and ten general health education content areas will be stressed. A 20-hour clinical practice experience in a P-12 school setting is required. Prerequisites: PEP 450 OR permission of professor. 4 Semester Hours.

PEP 490 Professional Conference
All PEP majors are required to attend a minimum of one professional conference prior to graduation. Examples of professional conferences include OAHPERD Convention, SHAPE National Convention, Midwest District Convention, or as approved by the PEP Director. Prerequisite: Instructor Approval. 0 Semester Hours.

PEP 494 Honors Thesis/Project
A research/project course designed to meet the needs of the individual student seeking honors in the major at graduation. Prerequisites: junior or senior standing, and approval of the instructor, the department chair and the Honors Review Board. Credit variable, 4-6 Semester Hours.

Primary

PRM 200 The Foundations and Management of the Primary Classroom
This course focuses on developing an understanding of how children in primary grades grow, develop, and learn. Candidates plan and implement developmentally appropriate and challenging learning experiences within environments that consider the individual strengths and needs of children in the K-5 classroom. It also focuses on procedures of classroom structure, behavior management, and PBIS is discussed. Field experience is required in order to complete course assignments. 4 Semester Hours.

PRM 225 Young Children in Preschool
This course focuses on early learning and development of young children during the preschool years with a focus on physical, cognitive, language, and social/emotional domains of development. An additional emphasis on understanding and valuing the important relationship with families and communities. Candidates will design instructional and assessment practices to support the development and well-being of preschool children and to foster their learning. Additionally, candidates will plan developmentally appropriate learning opportunities and environments that are healthy, respectful, supportive, and challenging for young children. Field experience is required in order to complete course assignments. Prerequisite: EDU 150. 4 Semester Hours.

PRM 270 Practicum I - Primary
This practicum is designed for teacher candidates seeking a primary teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, volunteering at after school activities, and basic teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

PRM 275 Practicum IA – Primary
his practicum is designed for teacher candidates seeking a primary and/or intervention specialist teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, volunteering at afterschool activities, and basic teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

PRM 315 Social Studies Practices and Curriculum
Candidates will explore and apply the foundational concepts and practices within Civics, Economics, Geography, and History using a framework of informed inquiry. Candidates will demonstrate and apply social studies content using a variety of instructional practices and assessments that support the learning of every child in a primary classroom. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 320 Mathematics Practices and Curriculum
This course includes an exploration of major mathematics concepts, algorithms, procedures, applications and mathematical practices in varied contexts and connections with and among mathematical domains. Candidates will demonstrate and apply this content using a variety of instructional mathematical practices and assessments that support the learning of every child in a primary classroom. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 325 English Language Arts Practices and Curriculum
This course explores theories of reading and writing development. Attention is given to issues, purpose, materials, and processes for teaching reading and writing skills and strategies. Candidates demonstrate and apply an understanding of the elements of literacy critical for purposeful oral, print, and digital communication. Candidates use a variety of instructional reading and writing practices and assessments that support the learning of every child in a primary classroom. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 335 Scientific Practices and Curriculum
This course includes an exploration of the three dimensions of science and engineering practices, cross-cutting concepts, and major disciplinary core ideas, within the major content areas of science. Candidates will demonstrate and apply this content using a variety of instructional scientific practices and assessments that support the learning of every child in a primary classroom. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 370 Practicum II - Primary
This practicum is designed for teacher candidates seeking a primary teaching license. The candidate assumes responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Credit: 1 Semester Hour Prerequisite: PRM 270.

PRM 375 Practicum III - Primary
This practicum is designed for teacher candidates seeking a primary teaching license. The candidate assumes responsibilities of completing various-field based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. The course is graded S/U. Prerequisite: PRM 370. 1 Semester Hour.

PRM 440 English Language Arts Assessment in the Primary Classroom
This course explores assessment and the role it plays in instructional decision making in language arts including reading and writing. Using various types of assessments candidates assess students, plan reading and writing instruction based on assessment data, remediate, and determine the impact on student learning. Field experience is required in order to complete course assignments. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 460 Preclinical Practice - Primary
During the preclinical experience, candidates will plan effective instruction, and design classroom contexts for learning in a P-5 grade level setting. Candidates plan learning activities to promote a full range of competencies for each student to address learners'

diversity. Candidates promote reflective self-study and professional learning. Preclinical requires a minimum of 100 clock hours in the field. This course is graded S/U. Prerequisite: Admission into the Teacher Education Program. 4 Semester Hours.

PRM 470 Clinical Practice- Primary
During the clinical experience, candidates assume all responsibilities of teaching in a P-5 grade level setting. Candidates make informed decisions about instruction guided by knowledge of students and assessment of student learning. Candidates differentiate instructional materials and activities to address learners' diversity. Candidates work collaboratively with supervisors, mentors, and other school personnel to work toward common goals that directly influence every learner's development and growth. Group seminars to enable collaboration, evaluation, and reflection are required. This course is graded S/U. Prerequisite: Admission into Clinical Practice. 14 Semester Hours.

Engineering

Biomedical Engineering

BME 210 Biomaterials I
The study of materials (synthetic and natural) that are used in contact with biological systems. Essential introductory knowledge about Biomaterials selection, design, limitations imposed by the technology, and host environment will be presented. The first part of the course will provide an overview of materials formation, structure, and properties. The second part will discuss bio-molecules' structure, synthesis, and function. The third part will discuss the concepts of biocompatibility and host-immune response. Subsequently, the properties and performance of metals, ceramics, and polymers will be discussed and evaluated for biomedical use. This course has a laboratory component. Prerequisite: CHE 120N, BIO 140, and EGE 240 (CHE 120N and EGE 240 may be taken concurrently). 2 Semester Hours.

BME 310 Biomechanics
This course involves the analysis and design of musculoskeletal systems. Basic principles of mechanics, stress, strain, tensor analysis, and elastic solids will be applied to analyze structural and material properties of biological tissues such as skin, tendon, ligament, bone and cartilage. The same mechanical principles will also be applied to the design of medical devices and bioengineered tissues. This course has a laboratory component. Prerequisite: BME 210, EGE 240, and BIO 210 (BIO 210 may be taken concurrently). 4 Semester Hours.

BME 320 Biomedical Signals and Instrumentation
This course covers the application and design of hardware and instrumentation needed to measure variables from different biological and physiological systems. Students will learn about electrodes, sensors, transducers, and bioelectric amplifiers, and how to use them to measure ECG, EEG, EMG, and key respiratory parameters. The first part of the course will provide an overview of electrical safety and hardware for measurement. The second part will discuss clinical laboratory instruments, computers in biomedical instrumentation, principles of noise reduction, digital filters, time-frequency analysis, and wavelet analysis applied to biomedical signals. In addition, the course will cover the acquisition, storage, and processing of digital bio-signals. This course has a laboratory component. Prerequisites: PHY 230V or CEE 221, BIO 210. 4 Semester Hours.

BME 410 Biomaterials II
This course presents the student with the basic concepts and engineering fundamentals to understand the importance of biomaterials to cells. Students will learn to approach and critically analyze biomaterial problems and applications and assess their clinical applicability, preparing them for both industry and academic research. Students will also be introduced to regulatory and ethical considerations that apply within and outside the experimental laboratory. Prerequisites: BME 210, CHE 231. 2 Semester Hours.

BME 412 Biomedical Transport
Biomedical Transport examines movement of mass in biological systems. The course uses the conservation relations to develop mathematical descriptions of transport phenomena related to biological systems. Topics will include diffusion, diffusion convection, fluid dynamics in blood vessels with applications to nutrient and drug delivery to tissues and cells and design of extracorporeal mass transport devices. Prerequisites: MTH 335, MTH 235, BIO 210, EGE 210, CHE 120N/HON 160N. 4 Semester Hours.

BME 414 Rehabilitation Engineering
Principles of engineering mechanics and material science applied to the rehabilitation of people with neuromuscular diseases and injuries. Overview of passive and active prosthetic devices and assistive systems. This course has a laboratory component. Prerequisites: BIO 210, BME 310. 2 Semester Hours.

BME 424 Medical Imaging and Digital Image Processing
This course covers the physics, signals, and systems of four common medical imaging modalities: projection radiology, planar scintigraphy, ultrasound imaging, and magnetic resonance imaging. It also discusses the risks associated with each modality. In addition, the course covers the principles of noise reduction, digital filters, applied to digital medical images. It also provides an overview of the acquisition, storage, processing, segmentation, and reconstruction of digital medical images. This course has a laboratory component. Prerequisites: BME 210, CHE 231, BME 320. 4 Semester Hours.

BME 436 Biomedical Engineering Research I
This course involves the study and investigation of a research question in the field of Biomedical Engineering. The emphasis of this course is on formulating hypotheses, literature search, gathering and presenting obtained research data. Prerequisites: MTH 205, BME 310 (can be taken concurrently), and BME 320. 2 Semester Hours.

BME 437 Biomedical Engineering Research II
This course involves the study and investigation of a research question in the field of Biomedical Engineering. The emphasis of this course is on analyzing and interpreting obtained research data, as well as on writing medical research proposals and grants. 2 Semester Hours. Prerequisite: BME 436. 2 Semester Hours.

BME 480 Biomedical Engineering Capstone I
This course involves the study and investigation of an open-ended challenge in the field of Biomedical Engineering. The emphasis of this course is on independent learning, literature search and identification of viable solutions for the defined need. This course is the first component of the senior Culminating Experience requirement for Biomedical Engineering students. Prerequisites: Prerequisites: MTH 205, BME 310 (can be taken concurrently), BME 320, and MGT 495 (can be taken concurrently). 2 Semester Hours.

BME 490 Biomedical Engineering Capstone II
This course is the continuous of BME 480 with an emphasis on the execution of the design identified for solving the challenge introduced in BME 480. Analysis as well as experimentation and data collection will be required to support the identified design. This includes providing detailed design calculations and engineering drawings in addition to incorporating engineering standard and realistic constrains that include economic, environmental, sustainability, manufacturability, ethical, health, social, and political considerations. This course is the second and final component of the Senior Culminating Experience requirement for Biomedical Engineering students. Prerequisites: BME 480 with a grade of C or better. 4 Semester Hours.

Computer and Electrical Engineering

CEE 209 Electrical and Computer Engineering Tools
Introduction to electrical and computer engineering tools, both hardware and software. Students will be taught engineering practice through hands-on projects involving assembling and testing hardware systems. Course will introduce modern computer tools used for circuit analysis, signal and system analysis, control, and data acquisition. Tutorial on several software packages needed for successful practice such as MATLAB, LabView, PSPICE, and Electronic Workbench will be presented. Prerequisite: EGE 110. 2 Semester Hours.

CEE 221 Electrical Circuits Analysis I
Introduction to fundamental concepts and applications of electrical engineering. Theory, analysis, and design of DC resistive circuits, R, L, and C circuits, using Ohm's and Kirchhoff's laws. Students will study circuit and network analysis techniques such as nodal, mesh, superposition, Thevenin, and Norton Theorem. Students will learn the natural and step responses of circuits and the applications of operational amplifiers. This course has a laboratory component. Prerequisites: EGE 120, MTH 142, PHY 102 (MTH 142 and PHY-102 may be taken concurrently). 4 Semester Hours.

CEE 234 Digital System Design
Overview of digital computer system and computer engineering design including number systems, Boolean algebra, logic gates, combinational circuits, decoders, multiplexers, adders, sequential logic, flip flops and programmable logic devices. The design and operation of digital computer sub-systems such as ALU, memory, and I/O. Introduction to assembly language programing. This course has a laboratory component. Prerequisite: CEE 221. 4 Semester Hours.

CEE 239 Engineering Electromagnetics
This course provides the students with an introduction to Electromagnetic field and wave fundamentals and their engineering applications. It will include an overview of electrostatic fields, magnetostatics fields, Gauss's law for electric and magnetic field, vector potential functions, magnetic polarization, induction and energy. The course will also include fundamental laws in time varying fields such as electromagnetic fields. Gauss's, Faraday's, Ampere's, and Biot-Savart's laws, Maxwell's equations for time-varying fields, wave solutions in free space, dielectrics and conducting media, transmission line systems, time- and frequency-

domain analysis of transmission line circuits and their engineering applications will be addressed. Prerequisites: CEE 221, MTH 142. 4 Semester Hours.

CEE 325 Engineering Electronics I
This course is an introduction to electronic circuits analysis and design. It introduces the students to the fundamental concepts in electronics, including Diode, BJT and FET Circuits, photodetectors, design using ideal operational amplifiers, feedback, frequency response, device biasing, current sources and mirrors, small-signal analysis, and design of operational amplifiers. The lectures are accompanied by practical lab experiments. Prerequisites: PHY 102, CEE 221. 4 Semester Hours.

CEE 327 Intelligent Systems Engineering
This course introduces the fundamental concepts of reconfigurable circuits and systems, with an emphasis on implementing techniques and algorithms for intelligent control and optimization. It reviews key principles of evolutionary algorithms (GA, PSO) and artificial neural network (ANN) and explores their practical applications. Students are also introduced to Field-Programmable Gate Arrays (FPGAs) and learn to develop intelligent systems using block-diagram modeling. A hands-on project is assigned to apply optimization methods for real-world industrial applications. Simulation and design tools are integrated throughout the course to support learning and implementation. Prerequisites: CEE 239 and CEE 325. 2 Semester Hours.

CEE 331 Signals and Systems
This course introduces the students to the mathematical analysis of signals and systems in time and frequency domains. It develops the analytical tools and techniques needed for the design and analysis of discrete-time and continuous-time linear systems, using differential equations, convolution, Fourier series, Fourier transforms, Z-transforms, Unilateral and bilateral Laplace transforms, frequency response, Bode plots, and filter design. It also introduces students to sampling theorem and digital signal processing. Prerequisites: MTH 335, MTH 235. 4 Semester Hours.

CEE 335 Deep Learning Engineering Applications
This course covers the areas of the intersection of software and hardware through the lens of Deep Learning (DL) on intelligent edge devices. This course enables students to develop applications from wake-word detection (e.g., Alexa, Siri, Google Assistant) to a wide array of sensor-driven Internet of Things (IoT) systems. Bridging the gap between cloud-scale DL capabilities and edge-device constraints enables faster inference, improved classification, and more accurate real-time predictions in everyday applications. The students also develop the full DL pipeline starting from gathering information and data via sensors to obtain final classification on the edge embedded devices. Students will be provided with machine learning hardware kits to empower class engagements. This course has hands-on exercises. Prerequisites: CSC 120. 2 Semester Hours.

CEE 338 Electric Power Principles
This course introduces and explains the fundamentals of electrical power systems design and analysis. It begins with the principles of electrical and electromechanical energy conversion, three-phase circuits, transformers, DC machines, induction, and synchronous machines, as well as transmission line modeling and parameter descriptions and their calculations. It culminates by introducing alternative energy systems such as wind and solar electric, geothermal and small-scale hydroelectric generation. Prerequisites: EEE 239, EEE 325. 4 Semester Hours.

CEE 410 Control of Dynamic Systems
This course involves the study of analysis and design of control systems for mechanical, electrical, and electro-mechanical systems. The core content of this course involves mathematical modeling of dynamic systems and subsequent analysis in time domain and frequency domain. This course introduces concepts of state space design and digital control. Extensive usage of computing tools for simulation of control systems is also integrated into the course content. Required laboratory in dynamic systems provides hands-on experience with dynamic system equipment, instrumentation, control, and analysis. Prerequisites: EEE 331 or EME 310, MTH 335, and MTH 235. 4 Semester Hours.

CEE 427 Embedded Systems and Microprocessors
Introduction to the design and evaluation of embedded systems, with emphasis on the system-level aspects. The course includes modeling (computation and communication), a survey of embedded system hardware, software, and operating system issues specific to embedded system design, mapping specifications to hardware, and testing and evaluation of embedded systems. The course also includes the structure and timing of typical microprocessors, sample microprocessor families, memories, UARTS, timer/counters, serial devices and related devices, MUX, and related control structures for building systems, interrupt programming, and hardware/software design tradeoffs. Prerequisite: CSC 220. 3 Semester Hours.

CEE 431 Computer Systems Engineering
This course covers the areas of computer architecture and design, as well as computer networks and protocols. It examines the principles and practices of modern computer architecture focusing on memory hierarchies, from cache through virtual memory, pipelined processors with advanced hazard management; and combined processor/memory systems. It introduces the basic processor implementation issues, RAID, high-performance computing issues such as pipelining, superscalar, and vector processing;

Input/output subsystem designs; instruction sets, and assembly language programming. On the network side, the course introduces the concept of data transmission, encoding, link control techniques; communication network architecture, design; computer communication system architecture, and protocols. Concepts central to the development of modern computing systems, with an emphasis on the systems software that controls the interaction between devices and other hardware and application programs. Prerequisites: CEE 331, CSC 220. 3 Semester Hours.

CEE 453 Communication Systems Engineering
This course introduces the fundamentals of electronic communication systems including the generation, transmission, and detection of information-bearing signals. This course is designed to introduce the basic concepts of digital and analog communication systems which involve analysis and design of communication systems both in analog and digital domains. The course covers the frequency spectrum, signal analysis in both frequencies (Fourier transform) and time domain, power and energy signals and spectra, bandpass signals and filters, electrical noise (signal-to-noise ratio), modulation techniques (analog and digital), sampling and quantization techniques, and characteristics of transmitters and receivers. The use of specialized communication test equipment in the laboratory and extensive tools for simulation is integrated into the course. Prerequisites: CEE 331, MTH 205. 4 Semester Hours.

CEE 480 Computer and Electrical Engineering Capstone I
This course is the first part of a two-part senior capstone design project involving principles and practice of computer engineering product design. The course requires students to work in small design teams to solve a significant engineering problem. This course introduces students to the capstone design experience integrating previous design work with design theory and methodology. Applied through group projects to integrate specifications based upon customer and engineering requirements, computer modeling, simulation, and reliability analysis. Independent and industry-sponsored projects may be considered with the approval of the instructor. Students may also work in teams under faculty supervision on a challenging open-ended interdisciplinary engineering project that draws on previous coursework. The course involves a series of project reports, formal presentations, and a written report. The projects will foster the development of skills used in the engineering profession: teamwork, effective meetings, safety, ethics, project management, and time management. Prerequisite: CEE 331, MGT 495 and Senior Standing in Computer Engineering. 2 Semester Hours.

CEE 490 Computer and Electrical Engineering Capstone II
This course is the continuation of CPE 480. In this part of the capstone course, the detailed design, implementation, and documentation are conducted. It involves the application of science, mathematics, and electrical engineering principles to the realization of the proposed design problem initiated in CPE 480. The project involves implementation, testing, and demonstration of the design project, demonstration of the design process, technical reports, and oral presentations. Realistic consideration of design constraints such as estimating and controlling of project cost and schedule is required. Ethical considerations in general and specific to the project will be addressed. The project deliverables include a final report, oral presentation, and demonstration of the project. All work submitted must be approved by the faculty advisor. Prerequisite: CEE 480 with a grade of C or better. 4 Semester Hours.

Civil Engineering

ECE 230 Construction Materials
Introduction to the behavior and properties of various civil engineering materials. Topics include introduction to mechanical behavior and properties of metals, aggregates, cement, design of Portland cement concrete and asphalt concrete, and introduction to materials testing. Prerequisites: CHE 120N. 2 Semester Hours.

ECE 310 Engineering Surveying
This course presents the theory and practice of land surveying including observing distances, elevations, and angles; analysis of errors in surveying measurements; computations of irregular areas; circular and parabolic curves; and Earth-work estimates. It also includes computer applications, photogrammetry, geographic information systems (GIS) and global positioning systems (GPS) technologies. This course has a laboratory component. Prerequisites: EGE 130 and MTH 142. 2 Semester Hours.

ECE 320 Transportation Engineering and Traffic Analysis
This course presents an introduction to highway engineering and traffic analysis including road vehicle performance involving tractive effort, resistances, and principles of braking; geometric design of highways considering horizontal and vertical alignments; pavement analysis and design of rigid and flexible pavements; fundamentals of traffic flow and queuing theory; highway capacity and level-of-service analysis, traffic control and analysis of signalized intersections; travel demand and traffic forecasting. The laboratory and computer components of this course provide students with hands-on experience in key pavement material tests, such as the California Bearing Ratio (CBR), bitumen viscosity, Marshall mix design, and indirect tensile strength tests, as well as computer-based simulations for traffic flow and signal analysis. There is a 2-hour lab associated with this class. Prerequisites: EGE 210 and ECE 310 (ECE 310 may be taken concurrently). 2 Semester Hours.

ECE 330 Environmental Engineering
This course provides an introduction to environmental engineering. The emphasis will be on introducing students to the fundamental science and principles of environmental engineering. These principles are applied to solve environmental engineering problems, including the design of unit processes in engineered systems and modeling of pollutants in natural systems. This course has a laboratory component. Prerequisites: CHE 120N and EGE 220. 4 Semester Hours.

ECE 340 Structural Analysis
This course presents an introduction to structural analysis of statically determinate and indeterminate structures including shear and moment diagrams, influence lines, and deflection calculations using force-displacement methods. Students will determine structural loads, and the use of commercially available software to analyze trusses and frames. Prerequisite: EGE 240, MTH 335, and MTH 235. 4 Semester Hours.

ECE 350 Geotechnical Engineering
This course provides students with theoretical background in soil mechanics as applied to civil engineering design. Students will learn how the soil history affects engineering properties such as bearing capacity. They will learn how to classify soil and determine internal stresses. The laboratory component provides students with the opportunity to apply their theoretical knowledge to standard soil testing techniques. There is a design project associated with this course. This course consists of three lecture hours and one three-hour lab session per week. Prerequisites: EGE 240. 4 Semester Hours.

ECE 360 Water Resource Engineering
This course provides students with theoretical background in closed-conduit hydraulics, open channel hydraulics, and hydrology applied to civil engineering design. This course introduces students to a) the quantification of water flows in the hydrologic cycle, b) the design of simple water distribution networks, and c) the principles of uniform and gradually varied open channel flow. There is a design project associated with this course. Prerequisite: EGE 220. 4 Semester Hours.

ECE 370 Construction Engineering and Management
A study of the planning, administration, management, and cost of construction projects and an introduction to the methodology utilized in executing specified designs. Emphasis is placed on organization of construction firms, development of construction documents, theory of estimating and quantity take-off, contractual and management systems, scheduling, project administration, and inspection of construction operations. There is a 2-hour lab associated with this course that covers construction documents. Prerequisites: EGE 130 and MTH 140 or BUS 122 or instructor permission. 4 Semester Hours.

ECE 410 Fundamentals of Engineering Exam Review for Civil Engineers
This half semester course is designed to prepare civil engineering students for the national fundamentals of engineering exam. Topics reviewed will be based on the topics covered in the exam, which are primarily general engineering and civil engineering oriented. The course will include review sessions, graded assignments, quizzes, and a final exam. Prerequisites: Junior Standing and majoring in civil engineering. 2 Semester Hours.

ECE 420 Structural Design
This course provides students with the principles to design structures, using applicable design codes. Students will learn to determine structural loads, design steel members (tension, compression, beams, and frames), as well as simple steel connections. Students will also understand the properties of concrete and how to design reinforced concrete beams, columns, one-way slabs, and retaining walls. Students will mold and strength test concrete specimens. Structural engineering software will be used to reinforce the analysis and design principles. Prerequisites ECE 340. 4 Semester Hours.

ECE 440 Sustainable Infrastructure Design
This course will combine knowledge from previous civil engineering courses with the addition of sustainable design principles. Students will design a civil engineering structure that conforms to client requirements, local codes, and best practices in engineering. There will be a final design report and presentation. Prerequisites: EGE 220. 2 Semester Hours.

ECE 460 Geotechnical Engineering Design
In this course students will apply knowledge of geotechnical engineering theory to the design of foundations and retaining walls. Use knowledge of shear strength, bearing capacity, and lateral earth pressures in their designs. Design topics discussed will include both shallow and deep foundation design along with wall and geotextile design. Prerequisite: ECE 350. 2 Semester Hours.

ECE 470 Construction Methods and Equipment
This course aims to help students gain an understanding of the methodologies used in heavy and building construction with an emphasis on equipment selection, productivity, concrete formwork design, and building systems. Prerequisites: ECE 370. 2 Semester Hours.

ECE 480 Civil Engineering Capstone I
This course involves the study and investigation of an open-ended problem in the field of Civil Engineering. The emphasis of this course is on independent learning, literature search and identification of viable solutions for the defined problem. This course is the first component of the Senior Culminating Experience requirement. Prerequisites: ECE 330, ECE 340, ECE 350 and ECE 360. 2 Semester Hours.

ECE 490 Civil Engineering Capstone II
This course is a continuation of ECE 480 with an emphasis on the execution of the design identified for solving the problem introduced in ECE 480. The emphasis of this course is on data collection, analysis, and justification of the most viable solution for the defined problem. This includes providing detailed design calculations and engineering drawings in addition to incorporating engineering standards and realistic constraints that include economic, environmental, sustainability, manufacturability, ethical, health, social, and political considerations. This course is the second and final component of the Senior Culminating Experience requirement for Civil Engineering students. Prerequisite: ECE 480 with a grade of C or better. 4 Semester Hours.

Engineering (General)

EGE 110 Introduction to the Engineering Profession
A highly interactive seminar style course that explores all aspects of the engineering profession, including engineering disciplines, challenges, education, and employment; creativity and design; and the professional responsibilities of engineers. Student teams make presentations that discuss the relevance of course topics to current events. 2 Semester Hours.

EGE 120 Introduction to Engineering Design
A hands-on introduction to the practice of engineering. Students will work in teams to implement the engineering design process through a semester-long design project. This course has a strong focus on developing verbal and written communication skills. Prerequisites: EGE 110 and MTH 140 (MTH 140 may be taken concurrently). 2 Semester Hours.

EGE 130 Computer-Aided Design
This course will introduce concepts of engineering graphics and the use of computer-aided design software to represent and design products in two- and three-dimensions. 2 Semester Hours.

EGE 210 Statics and Dynamics
The study of force systems in two and three dimensions to explore the principles of equilibrium applied to various bodies and simple structures, and the kinematics and kinetics of plane motion of particles. The principles of work and energy and impulse and momentum are also introduced. Course makes extensive use of vector methods. This course has a laboratory component. Prerequisites: EGE 120, MTH 141 with a grade of C- or better, PHY 101, and MTH 142. (MTH 142 may be taken concurrently). 4 Semester Hours.

EGE 220 Thermodynamics and Fluid Mechanics I
This course is an equal balance between Thermodynamics and Fluid Mechanics. Thermodynamics concepts covered are basic concepts, ideal gas, internal energy, enthalpy, evaluating properties and the first law applied to control mass and control volume systems. Fluid Mechanics concepts covered are fluid measurement, hydrostatics, integral relations-conservation of mass, momentum and energy, Bernoulli equation and viscous flow in pipes. 200 minutes of lecture and one 110 minute lab per week. Prerequisites MTH 142, CHE 120N and EGE 210. 4 Semester Hours.

EGE 240 Mechanics of Materials
Introduction to the behavior of materials, including stress-strain diagram, Hooke's law, principal stresses and strains, Mohr's circle, strain gauges, determination of stresses and deformations in statically determinate and indeterminate members subjected to axial loading, torsion, and bending. Stress analysis of components under general loading are also presented in this course. This course has a laboratory component. Prerequisite: EGE 210. 4 Semester Hours.

EGE 310 Product Design and Development
This course presents interdisciplinary content from business and engineering with an emphasis on the process of product development. The steps in the product development process are presented to give shape to a design idea to make a commercially viable product. Student teams will design a product, construct an Alpha prototype and present the prototype with a business case in support of the product. Prerequisites: EGE 120 and Junior standing and either MGT 495 or ECE 370. 4 Semester Hours.

EGE 320G Global Engineering
This course provides students with the theory and field experience to be successful global engineers. Through course instruction, students will acquire the knowledge, ability, and predisposition to work effectively with people who define and solve problems differently than they do. The field experience component of this course provides students with the opportunity to experience

engineering within another culture and will require international travel. This experience is intended to provide students a depth of understanding that would be difficult to replicate here at home. Additional fee applies to this course. Prerequisites: EGE 120 and World Language Proficiency. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

EGE 440 Introduction to Finite Element Analysis
This course introduces the methodology of finite element modeling and analysis. Topics include selection of elements, use of symmetry, plane stress, plane strain, and isoperimetric formulation. This course will make extensive use of ANSYS for finite element analysis. Prerequisite: EGE 240. 2 Semester Hours.

EGE 450 Fatigue and Fracture Mechanics
This course involves the study of low cycle fatigue, high cycle fatigue and fracture mechanics. The emphasis of the course content will be on the incorporation of fatigue and fracture considerations in engineering design to ensure structural integrity. Topics of study include crack initiation, crack growth, notch effects, stress-based fatigue and strain-based fatigue. Prerequisite: EGE 240. 2 Semester Hours.

Mechanical Engineering

EME 230 Material Science
Introduction to the structure, processing, properties, and performance of engineering materials including metals and polymers. Prerequisite: CHE 120N. 2 Semester Hours.

EME 310 Kinematics and Dynamics of Machinery
This course involves the study of the synthesis and analysis required for the design of mechanical systems. The core content is based on the kinematic and kinetic analysis of rigid bodies and the application of this analysis to commonly used devices and products. This course introduces computer aided engineering (CAE) for the analysis of mechanisms. Prerequisite: EGE 210. 4 Semester Hours.

EME 320 Thermodynamics and Fluid Mechanics II
This course is a continuation of Thermodynamics and Fluid Mechanics I. Thermodynamics concepts covered are second law, entropy, exergy, power cycles – rankine, otto, diesel, brayton, refrigeration, psychrometry and reaction thermodynamics. Fluid Mechanics concepts covered are flow past immersed bodies, similarity analysis, differential analysis – total acceleration, continuity, navier-stokes and turbomachines. 200 minutes of lecture and one 110 minutes of lab per week. Lab includes experiments and computer simulations to compliment the lectures. Prerequisites: MTH 235, MTH 335, and EGE 220. 4 Semester Hours.

EME 330 Design of Machine Elements
This course provides students with the theoretical background required for designing components and systems that need to withstand static as well as cyclic loading. The principles of design are applied to multiple elements that are commonly used in Mechanical Engineering. This course introduces students to the application of finite element analysis and the principles of probabilistic design for designing machine elements, parts and systems. Prerequisite: EGE 130 and EGE 240. 4 Semester Hours.

EME 350 Manufacturing Science
This course involves the study of topics in manufacturing science for the understanding of manufacturing systems and processes. Topics of study will include manufacturing methods for metal processing and cutting, additive manufacturing, and exposure to polymers and ceramics. This course has a laboratory component. Prerequisites: EGE 130, EGE 240, and EME 230. 2 Semester Hours.

EME 410 Control of Dynamic Systems
This course involves the study of analysis and design of control systems for mechanical, electrical and electro-mechanical systems. The core content of this course involves mathematical modeling of dynamic systems and subsequent analysis in time domain and frequency domain. This course introduces concepts of state space design and digital control. Extensive usage of computing tools for simulation of control systems is also integrated into the course content. Required laboratory in dynamic systems provides hands-on experience with dynamic system equipment, instrumentation, control and analysis. Prerequisites: EEE 331 or EME 310, MTH 335, and MTH 235. 4 Semester Hours.

EME 420 Mechanical Vibrations
This course involves the study of mathematical modeling for the analysis of dynamic systems. Systems with one degree-of-freedom and multiple degrees-of-freedom are covered with specific focus on mechanical vibrations. Topics of study include vibration isolation and control, damping, harmonic excitation, periodic and non-periodic excitation and modal analysis. An introduction to

laboratory equipment and measurement for modal analysis of vibrations. Prerequisites EME 310, MTH 335, and MTH 235. 4 Semester Hours.

EME 430 Heat Transfer
This course covers the basic modes of heat transfer, steady heat conduction, extended surface heat transfer, transient heat conduction, computational methods, forced and free convection, boiling and condensation, heat exchangers, thermal radiation and a thermal systems design project. 200 minutes of lecture and one 110 minute lab per week. Lab includes experiments and computer simulations to compliment the lectures. Prerequisite EME 320. 4 Semester Hours.

EME 445 Sustainable Energy Practices
This course presents an overview of systems that generate energy from renewable resources. The focus is on wind, solar, geothermal, nuclear, and tidal energy generation systems. These methods are contrasted with the traditional fossil fuel-based power plants. Technical, environmental, and economic challenges of energy generation are considered using case studies. Energy utilization in buildings is examined using CFD tools to emphasize methods for minimizing energy waste. Students are exposed to contemporary initiatives in green industries. Student teams design energy generation or recovery systems. Prerequisites: EME 430 or Instructor's permission. 2 Semester Hours.

EME 480 Mechanical Engineering Capstone I
This course involves the study and investigation of an open-ended problem in the field of Mechanical Engineering. The emphasis of this course is on independent learning, literature search and identification of viable solutions for the defined problem. This course is the first component of the Senior Culminating Experience requirement. Prerequisites: EME 320 and EME 330. 2 Semester Hours.

EME 490 Mechanical Engineering Capstone II
This course is a continuation of EME 480 with an emphasis on the execution of the design identified for solving the problem introduced in EME 480. Analysis as well as experimentation and data collection will be required to support the identified design. This course is the second and final component of the Senior Culminating Experience requirement for Mechanical Engineering students. Prerequisites: EME 480 with a grade of C or better. 4 Semester Hours.

English

ENG 130 Introduction to Poetry
An introduction to the nature and function of poetry as a literary genre. Emphasis will be placed on recognizing and understanding patterns of cultural, ethical and aesthetic experience as these are reflected in a variety of poems by a diverse range of authors. 4 Semester Hours.

ENG 150H Introduction to Literature
Students will learn to analyze the fundamental genres of literature including fiction, poetry, and drama from a variety of historical and cultural contexts. This course enables students to develop critical thinking and writing skills as related to the reading and interpretation of literature. Prerequisite: None. 4 Semester Hours.

ENG 165H Popular Literature
Students will explore literature through one or more related popular genres such as gothic and horror; science fiction and fantasy; mystery and suspense; and the western. This course enables students to develop critical thinking and writing skills as related to the reading and interpretation of literature. Can be repeated for different topics. Prerequisite: None. 4 Semester Hours.

ENG 260H The Makings of British Literature
Students will read selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. Prerequisite: None. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 265H The Rise of Modern British Literature
Students will read selected works in British literature from the Romantic Period to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts. Prerequisite: None. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 270H The Makings of American Literature
Students will read selected works in American literature from its beginnings to 1865. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts. Prerequisite: None. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 275H The Rise of Modern American Literature
Students will read selected works in American literature from 1865 to the present. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to analyze and interpret literary works in their historical and cultural contexts. Prerequisite: None. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 305G Literature of Liberation
Students will read a variety of literature written in English by authors originating from English speaking nations other than Great Britain and the United States of America. Issues explored will include the development of English as a global language, hybridity and identity, de-colonization, and modernity. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 310G Studies in World Literature
Students will explore how literature transcends national boundaries, emphasizing cross-cultural analysis and the study of literary works from diverse cultures and time periods, including those in translation. Students develop critical thinking, interpretive, and communication skills by engaging with texts in their historical and cultural contexts, fostering an appreciation for global literary traditions and shared human experiences. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 315G Studies in Multicultural American Literature
Students will read diverse texts from underrepresented groups to understand issues of identity, race, ethnicity, and cultural dynamics within American society. Students will learn to interpret major literary works and connect them to their social and historical contexts. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 320G Irish Literature and Culture
Students will read about how Ireland's history of revolution, civil war, and division shaped its literature. Readings will include works by famous Irish writers and artists—like Yeats, Joyce, Beckett, Heaney, and others—and explore how their stories connect to themes such as identity, freedom, and culture. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 325V Young Adult Literature
Young adult literature speaks to readers conflicted with fitting in and standing out. It provides multiple lenses for young people ages 10-19 to explore identity, responsibility, censorship, and morality while promoting literacy to an age group prone to rejecting reading. In this course, we will examine YA literature as readers, educators, and critical and creative thinkers to expand our perspectives and self-awareness. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 330V Literature to Film
This course explores literature and film together, tracing the many ways that literary works have been transformed for the screen as well as the cultural impact of such transformations. Students will read films with the same attention scholars pay to the written word, learning to recognize and analyze the techniques used in both mediums. Since films often seek to adapt literature for a different audience, the impact of historical/cultural context will be one major source of research and discussion while the differing artistic visions of authors and filmmakers will be another. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 335V Literature and Human Rights
Students will look at how literature is transformed into film and what changes when a story moves from page to screen. Students will learn to analyze both literature and film, paying attention to artistic choices, cultural context, and the different visions of writers and filmmakers. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 345V Gender, Sexuality, and Literature
Students will consider the role literature plays in shaping, reflecting, and revealing cultural perceptions of gender and sexuality. Students will explore the ways gender and sexuality have intersected with different historical periods, literary movements, cultural traditions, and other identity categories, including race and class. Prerequisite: Sophomore standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS-100, FYS-105, HON-110, or TRF-100. TRF-200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENG 410 Reading in Depth
Students will focus on a particular author or authors, genre, or topics--historical or cultural--not provided in the regular departmental curriculum but have made important contributions to English, American, or world literature. Can be repeated for different topics. Prerequisite: Sophomore standing. 4 Semester Hours.

ENG 450 Senior Project
Students will continue an earlier project or begin a new one in which they present their research to an outside audience. Prerequisite: Open to English majors only. 2 Semester Hours.

ENG 490 Independent Study
Open to senior English majors who wish to pursue a topic related to the study of language or literature. Study may be taken on an interdepartmental basis with permission of the departments involved. A prospectus and preliminary bibliography of the project must be submitted for departmental approval prior to registration. 1-4 Semester Hours.

ENG 499 Internship
Through the cooperation of agencies and business in the vicinity of the University, students are provided with a significant learning experience outside of the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. The basis of determining the grade for the program will be given in the contract and will include an evaluation by the supervisor at the organization where the internship work is done, an assessment by the internship faculty advisor, and a written report of the internship experience submitted by the student. Prerequisites will vary with the internship. Participation is by petition to the chair of the department. Taken under Satisfactory/Unsatisfactory grade option only. Only one internship may be taken for credit but may, in certain cases, be repeated for audit. 1-12 Semester Hours.

English as a Second Language (ESL)

ESL 110 ESL Communication
A semi-intensive course designed to cover a broad range of English communication strategies. Prerequisite: Permission of the instructor. Students who take ESL courses may not apply those credits toward graduation. 4 Semester Hours.

ESL 115 ESL Reading and Writing
ESL Reading and Writing is designed for non-native speakers of English to develop academic reading and writing skills necessary for participation in university courses. Students who take ESL courses may not apply those credits toward graduation. Prerequisite: Permission of the instructor. 4 Semester Hours.

Entrepreneurship

ENT 150 Introduction to Entrepreneurship
This course will introduce the student to a process that will enable them to think creatively and act entrepreneurially to achieve economic and social value in a variety of business situations that foster innovation. During the course students will develop a basic understanding of how to identify various opportunities, assess their feasibility, and assemble the fundamental elements required to implement their solution to a personal or business problem. They will hear from entrepreneurial-minded speakers that will reinforce the classroom work. The course is open and encouraged for all majors. 4 Semester Hours.

ENT 300 New Venture Planning
This course continues to develop ideas and opportunities from ENT 150 emphasizing the key components of the business model generation canvas to give students the ability to intelligently discuss and present their idea/opportunity with potential key partners and funding sources. This course will introduce students to the various legal issues associated with new ventures to include the various forms of a business entity. Prerequisite: ENT 150. 2 Semester Hours.

ENT 350 The Entrepreneurship Experience
The objective of this course would be to produce a business plan that the student could take to financial sources for funding. To that end students will conduct in-depth research into their chosen idea/opportunity focusing on the analysis of personnel, marketing, and financial aspects providing them the ability to discuss all aspects of their plan with expertise. Prerequisites: ENT 150 and 300. 4 Semester Hours.

ENT 499 Internship in Entrepreneurship
An experience-based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host internship supervisor. Specific restrictions apply. Instructor approval is required prior to registration for this course. 4 Semester Hours.

Environmental Science

ENV 190N Introduction to Environmental Science
This introductory-level course focuses on the scientific principles that underlie the functioning of the global environment. The course addresses problems related to human society and explores possibilities for alleviating these problems. The course will provide the student with knowledge of how the environment functions and understanding of the issues of scale, complexity and conflict resolution. The lab will include field trips, extended case studies and practice making environmental measurements. Three class hours and one three-hour lab per week. 4 Semester Hours.

ENV 199 Special Topics in Environmental Science
See All-University 199 course description.

ENV 210V Hydrology and Water Resources
A study of water properties, occurrence, distribution, and movement and their relationship with the environment within each phase of the hydrological cycle. The course also examines water quantity and quality issues, and water management policies. Prerequisite: BI0 141 or ENV 190 or GEO 112 or GEO 116 or consent of the instructor. Three class hours and one three-hour laboratory per week. Cross-listed as GEO 210V. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

ENV 266 Environmental Entomology
This course will focus on local insect diversity and identification, their ecological relationships, and the various ecosystem services they provide. This information is used by environmental scientists to determine environmental health and to restore damaged ecosystems. Labs will be spent outside collecting insects from different habitats. All students are required to complete a comprehensive insect collection. Three class hours and one three-hour laboratory per week. Prerequisites: BIO 141N.
Semester Hours.

ENV 277 Energy and Climate
Energy and climate form an inexorable link in today's society, from developing new and alternative energy sources for a modern civilization to understanding the impact of climate change brought about by fossil fuel consumption. In this course, students will explore the origin, occurrence, and extraction of non-renewable resources (fossil fuels), the origin and occurrence of renewable resources (solar, wind, geothermal, biomass, hydroelectric, and nuclear energy), and the environmental and climate impacts of using these resources. Prerequisites GEO 112N, ENV 190N. 4 Semester Hours.

ENV 280 Geographical Information Systems
This course introduces the practice of GIS. It is a very hands-on course and will require extensive practice using ArcGIS to illustrate both the principles and the skills involved in geographical information systems. The class will culminate with the completion of a major project. Prerequisite: Sophomore standing or consent of instructor. 4 Semester Hours.

ENV 299 Special Topics in Environmental Science
See All-University 299 course description.

ENV 300 Internship in Environmental Science
Professional experience beyond conventional classroom learning is an integral part of a student's education and development of future career goals. In partnership with local Environmental Science companies and firms, students will have the opportunity to learn on-the-job training in the Environmental Sciences, while also building an important network with professionals in the profession. For successful completion of this course, students will be evaluated by the internship supervisor, an assessment by the internship faculty advisor, and a final written review of the internship experiences. 1-4 Semester Hours.

ENV 301 Field Studies in Ecology & Geology I
Practical field experience in ecology and geology outside of the normal classroom setting is important for students to further their educational experience through hands-on learning. Specifically, this course will expose students to a variety of field techniques in ecology and geology, design and perform field-based research, and produce communicative results based upon these field-based activities. Skills learned and practiced in this course will directly correspond to skills and qualifications sought out by Environmental Science companies in job advertisements. This course is designed to be completed over the course of two 8-week periods (half-semester), over the course of two consecutive semesters during one full academic year (fall and spring semesters). Prerequisites: GEO 112N, BIO 141N, ENV 190N. 2 Semester Hours.

ENV 302 Field Studies in Ecology & Geology II
Practical field experience in ecology and geology outside of the normal classroom setting is important for students to further their educational experience through hands-on learning. Specifically, this course will expose students to a variety of field techniques in ecology and geology, design and perform field-based research, and produce communicative results based upon these field-based activities. Skills learned and practiced in this course will directly correspond to skills and qualifications sought out by Environmental Science companies in job advertisements. This course is designed to be completed over the course of two 8-week periods (half-semester), over the course of two consecutive semesters during one full academic year (fall and spring semesters). Prerequisites: GEO 112N, BIO 141N, ENV 190N. 2 Semester Hours.

ENV 320 Landforms & Soils
Geomorphology is a diverse and interdisciplinary branch of the geosciences that focuses on modern surficial landforms and soils and the physical, chemical, and biological processes that shape them. Additionally, these processes directly impact human society via common geologic hazards, such as landslides, floods, and coastal problems. In this course, students will study a variety of geomorphic processes responsible for the landforms and soils in the State of Ohio, such as weathering and erosion, hillslope stability, glaciation, rivers, and climate. Prerequisites: GEO 112N. 4 Semester Hours.

ENV 350 Case Studies in Environmental Science
This course provides exposure to modern environmental issues on a local, regional and global scale. Using case studies, students will investigate both enacted and proposed solutions to environmental problems and will be required to integrate the disciplines of biology, geology, chemistry, economics, philosophy and political science, seeking to evaluate and improve these solutions. The course will also discuss complexity, scale and conflict resolution. Prerequisite: Sophomore standing and ENV 190N, or permission of the instructor. 4 Semester Hours.

ENV 425 Senior Culminating Experience
A two-semester research project required of all environmental science majors. Students will develop and conduct an independent scientific research project and present the results as a written report and an oral presentation. A grade of "In Progress" will be assigned at the end of the first semester. The final grade will be entered for both semesters at the end of the second semester. Prerequisites: Permission of the instructor. 2 Semester Hours each semester for a total of 4 Semester Hours.

ENV 494 Honors Thesis/Project
See All-University course description.

ENV 499 Internships in Environmental Science
See All-University course description.

Exercise Science

EXS 100 Introduction to Exercise Science
Introduction to the field of exercise science including aspects of human performance, clinical exercise physiology and strength training and conditioning. Includes basic components of program design, training and assessment while placing the students in a variety of professional field settings. 4 Semester Hours.

EXS 105 Foundations of Exercise, Health, and Performance
This course provides students with a comprehensive overview of the multifaceted physiological responses and adaptations to exercise across the spectrum of health and performance (e.g., general health, fitness, and athletic performance). Students will examine the foundational principles of exercise physiology before exploring the role of exercise in the prevention and management of lifestyle-related health conditions. 4 Semester Hours.

EXS 110 Exercise Physiology I
The goal of this course is to introduce students to the foundational principles of exercise physiology with a particular emphasis on nutrition, metabolism, energetics, and body composition. 4 Semester Hours.

EXS 111 Exercise Physiology II
The goal of this course is to gain an understanding of system physiology and the effects of physical activity on the human body by building on EXS 110. Emphasis will be placed on cardiovascular, pulmonary, musculoskeletal, neural, and endocrine systems' responses during a rested state and to human performance of varying types and intensities. Prerequisite: EXS 110. 4 Semester Hours.

EXS 200 Sophomore Seminar: Professional Skills in Exercise Science
This course is designed to provide students with an overview of the skills necessary for professional success. A special emphasis will be placed on resume building, written and oral communication, career development, networking, research exploration and safety practices, professional conflict resolution, and social media expectations. This course is also meant to provide students with an overview of ethical human research practices and the grant writing process as they relate to the field of exercise science. Discussions will be centered on the importance of sound ethical practices as they relate to the field of research, including informed consent and confidentiality concerns. Students will also be introduced to the process of grant writing and provided with opportunities to further develop the skills necessary to seek and apply for appropriate grants. Prerequisite: Sophomore standing or instructor approval. 2 Semester Hours.

EXS 210 Exercise Physiology Practicum
This course will allow students to develop practical skills associated with human performance testing (aerobic, anaerobic, strength, power, body composition). Students will become familiar with proper protocols and equipment used in the field of exercise science, in the roles of technician and client. Additional fee applies. Prerequisite: EXS 111 or permission of the instructor. 2 Semester Hours.

EXS 220 Foundations of Human Movement
A study of the science of human movement with emphasis on the structure and functioning of the movement mechanism, mechanical principles underlying human motion, and an analysis of basic motor skills. 4 Semester Hours.

EXS 221 Physical Assessment & Injury Recognition
Understanding basic anatomical and clinical assessment techniques for injuries and illness specific to orthopedic assessment, in conjunction with principles of kinesiology and human movement. Proper techniques regarding patient injury evaluation and documentation will be addressed throughout this course. Prerequisite: EXS 220. 1 Semester Hour.

EXS 222 Sports Injury Management & Therapeutic Modalities
Understanding clinical application, anatomy, and proper techniques for strength and conditioning exercises for practical applications with athletes. Additionally, understanding the application of rehabilitation techniques includes strategies for proper exercise selection based on anatomical and physiological considerations. Prerequisite: EXS 220. Corequisite: EXS 221. 1 Semester Hour.
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EXS 230 Basic Pharmacology
This course will give the students understanding of medications commonly prescribed in the exercise science setting and commonly associated exercise responses. The student will become aware of indications, contraindications and side effects of drug therapy. Emphasis will range from drugs used for hypertension, diabetes, epilepsy, asthma, cardiac abnormalities, CVD, cardiac arrhythmias, orthopedic problems and common illnesses. Prerequisite: BIO 211. 4 Semester Hours.

EXS 250 Strength Training and Conditioning
This is a four hour lecture/laboratory course covering the physiological basis of strength and cardiovascular conditioning along with the fundamentals of designing comprehensive training programs for improving human performance. Students learn the kinesiological aspects of training, cardiovascular training, plyometrics, flexibility training and sport specific training for injury prevention. Prerequisite: EXS 220. 4 Semester Hours.

EXS 251 Strength & Conditioning Practicum
This course is designed for students pursuing the Strength & Conditioning concentration. It provides an in-depth analysis of advanced principles and practices in strength and conditioning for athletic populations. Topics include advanced program design, movement technique analysis, coaching cues, motivational strategies, athlete monitoring, professional aspects of the field and networking through site visits. Students will apply scientific knowledge to develop evidence-based training plans, analyze complex movement patterns, and address real-world challenges in strength and conditioning. The course prepares students for strength and conditioning practicum and field experiences. Prerequisite: EXS 250. 4 Semester Hours.

EXS 252 Data and Technology in Sport Science
This course introduces students to foundational concepts in sport science with a focus on the role of technology and artificial intelligence (AI) in data collection, analysis, and performance monitoring. Students will develop skills in using AI-assisted tools for human performance testing, data visualization, and statistical analysis. Topics include ethical data management, advanced data visualization, monitoring techniques, and the application of technology to real-world sport science questions. Prerequisite: EXS 250. 2 Semester Hours.

EXS 253 Strength and Conditioning Practicum
This course will only be available to Exercise Science majors who are intending to make a career in the strength & conditioning field and intend to apply for the Strength & Conditioning Field Experience I (EXS 497). This course will provide an in-depth analysis of all aspects related to strength & conditioning of athletes including training philosophy, coaching cues, movement technique analysis, motivational strategies, exercise programming and related business aspects of strength & conditioning. Pre-requisite: EXS 251. 2 Semester Hours.

EXS 260V Scholarship in Exercise Science
This course is designed to facilitate discussion of current research topics in the field of exercise science utilizing scholarly journals. Research methodology, scholarly topics and actual findings will be introduced, examined and discussed. The culmination of the course will be the design and implementation of a research study, including familiarization with and utilization of proper format for submission to a scholarly journal. Prerequisite: EXS 110 or instructor approval. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

EXS 280 Medical Terminology
Students will be introduced to medical word structures, with emphasis on word roots, prefixes, suffixes, and abbreviations while gaining an understanding of the rules for building and analyzing medical terms associated with body systems. Students will define and interpret terms relating to structure and function, pathology, diagnosis, and clinical procedures. Prerequisites: BIO 210/BIO 211. 2 Semester Hours.

EXS 320 Exercise Testing and Prescription
A study of the standards for exercise testing and prescription. An emphasis will be placed on both preventive exercise programs for apparently healthy individuals and rehabilitative programs for cardiorespiratory diseased persons. Prerequisite: EXS 210. 4 Semester Hours.

EXS 330 Cardiac Rehabilitation
An introduction to the field and business of cardiac rehabilitation. This course heavily focuses on populations at risk of having cardiac-related diseases, disorders, or episodes and how to reinstate activities of daily living post-cardiac event and secondary prevention strategies. Special attention is paid to cardiac physiology, common cardiac issues and arrhythmias, and interpretation of electrocardiograms. This course is primarily designed for those students wishing to pursue either graduate school in the field of clinical exercise physiology or those seeking employment in a hospital based rehabilitation setting. Prerequisites: EXS 110. 4 Semester Hours.

EXS 340 Corporate and Worksite Wellness
Components of administering and managing corporate and worksite fitness and wellness programs are examined. Topics covered include paradigms in health promotion, facility planning and design, program management, and legal issues. Prerequisite: Junior standing or instructor permission. 4 Semester Hours.

EXS 360 Special Populations
This course is designed to explore the role of the exercise specialist and special populations. There is an emphasis placed on working with geriatric populations and addressing issues concerning health and disease in this group. A review of physiological and psychological changes with age will be examined along with disease states such as: cancer, cardiopulmonary, obesity, Parkinson's, Alzheimer's, osteoporosis, among others. Prerequisite: EXS 320. Co-requisite: EXS 361, EXS 362, EXS 363, or EXS 365 IDE: Special Populations. 4 Semester Hours.

EXS 361 IDE: Senior Exercise
This field experience will provide students with an opportunity to design and implement appropriate fitness programs for an older-adult population with minimal health complications. Co-requisite: EXS 360 Special Populations. IDE may be completed without co-requisite if EXS 360 has been successfully completed and with Director approval. 1 Semester Hour.

EXS 362 IDE: Senior Residential
This field experience provides students with an opportunity to design and implement appropriate fitness programs for older-adult populations with minor health complications. Co-requisite: EXS 360 Special Populations. IDE may be completed without co-requisite if EXS 360 has been successfully completed and with Director approval. 1 Semester Hour.

EXS 363 IDE: Adult Exercise
This field experience provides students with an opportunity to design and implement appropriate fitness programs for apparently healthy adults. Co-requisite: EXS 360 Special Populations. IDE may be completed without co-requisite if EXS 360 has been successfully completed and with Director approval. 1 Semester Hour.

EXS 364 IDE: Healthy Campus
This field experience provides students with an opportunity to work within the University of Mount Union's corporate wellness program. Duties may include but are not limited to administering biometric and fitness assessments for faculty and staff participants and contributing original articles to the program's newsletter. Prerequisite: Co-requisite is EXS 360 (Special Populations); IDE may be completed without co-requisite if EXS 360 has been successfully completed and with Director approval. 1 Semester Hour.

EXS 365 IDE: Youth and Adolescents
This field experience provides students with an opportunity to design and implement appropriate fitness programs for youth and adolescents. Co-requisite: EXS 360 Special Populations. IDE may be completed without co-requisite if EXS 360 has been successfully completed and with Director approval. 1 Semester Hour.

EXS 370 Environmental Physiology
A multidisciplinary approach to human adaptation and factors influencing human movement in diverse micro- and macro-environments. Factors considered include temperature, altitude, precipitation, under-water weightlessness, light, noise and socio-cultural. Health and safety in locomotion, rehabilitation, sport/recreation and occupational contexts are emphasized. Prerequisites: Junior standing or instructor permission. 4 Semester Hours.

EXS 381 IDE: Fitness Assistant
This field experience provides students with an opportunity to further develop skills necessary for working in a clinical setting. Emphasis will be placed on equipment orientation, program design and implementation, and tracking progress of clients. 1 Semester Hour.

EXS 382 IDE: Sport Performance Coach
This field experience provides students with an opportunity to further develop testing skills necessary for working with athletes or athletic teams. Prerequisite: EXS 320. 1 Semester Hour.

EXS 400 Senior Seminar: Contemporary Issues
This course will introduce students to current contemporary issues as related to the field of exercise science. The class will be discussion-based, with the latest and most relevant topics in the field of exercise science and related areas as the primary focus. Senior standing or instructor approval. 1 Semester Hour.

EXS 410 Senior Comps
The objective of this course is to reinforce concepts of exercise science, human anatomy and physiology, and performance testing. The course will culminate with a comprehensive exam covering these materials. Prerequisite: EXS 470 or instructor approval. 1 Semester Hour.

EXS 430 Advanced Exercise Physiology
The goal of this course is to provide students with an in-depth examination of exercise physiology. Particular emphasis will be placed on physiology at the cellular and molecular level as it relates to performance, training, and adaptations. Junior standing and or instructor approval. 4 Semester Hours.

EXS 375 Sports Nutrition and Ergogenic Aids
The objective of this course is to begin a discussion of what sports nutrition is and proceed to an in-depth review of some of the major concepts within the field of sports nutrition and examine some of the most popular sports supplements currently available on the market. A focus will be placed on the role of nutrients as fuels, building blocks, and regulators of cellular and systemic metabolism. Prerequisites: EXS 110 or HED 380 or instructor approval. 4 Semester Hours.

EXS 350 Scientific Inquiry
In this course, students engage in a deeper analysis of elements of research design, to perform and interpret descriptive statistics, to perform and interpret ANOVA, to evaluate critical features of a research journal article, integrate research findings and formulate a clinically significant research hypothesis. Prerequisites: Junior standing or instructor permission. 4 Semester Hours.

EXS 390 Lifespan Nutrition
This course will provide students with an exploration of nutrition concepts as they apply to lifetime wellness. Topics of study will include nutritional standards across the lifespan, with an emphasis on maternal-child nutrition, weight management, eating disorders, altered nutritional needs during aging, and disease treatment and prevention. Prerequisites: EXS 110 or HED 380 or instructor approval. 4 Semester Hours.

EXS 470 Senior Research
This capstone course emphasizes research design and in-depth research of a selected exercise science topic of the student's choosing. The research/presentation will count as the thesis for exercise science majors. Prerequisites: EXS 350 and Senior Standing. 4 Semester Hours.

EXS 471 IDE: Senior Research Data Collection
This course is an independent research and/or study project in which the student will collect data from a previously designed study. It is an extension of EXS 470 and is offered to students who have a desire to pursue undergraduate research in preparation for graduate-level education. Prerequisites: EXS 470. 2 Semester Hours.

EXS 481 IDE: Faculty Research Assistant
This course is an independent research and/or study project. It is offered to students who have a desire to pursue additional experience as an undergraduate researcher in preparation for graduate-level education. Prerequisites: Instructor approval. 1 Semester Hour.

EXS 482 IDE: Faculty Research Assistant II
This course is an independent research and/or study project. It is offered to students who have a desire to pursue additional experience as an undergraduate researcher in preparation for graduate-level education. Prerequisite: Instructor approval. 1 Semester Hour.

EXS 483 IDE: Faculty Research Assistant III
This course is an independent research and/or study project. It is offered to students who have a desire to pursue additional experience as an undergraduate researcher in preparation for graduate-level education. Prerequisite: Instructor approval. 1 Semester Hour.

EXS 490 Advanced Nutrition for the Health Sciences
Advanced Nutrition for the Health Sciences advances and reinforces student knowledge of scientifically-based topics including a more advanced look at digestion and metabolism of nutrients, nutritional genomics, epigenetics, clinical nutrition, and functional foods and bioactives. The course will explore issues of safety and efficacy and health claims such as those pertaining to popular diets, nutraceuticals, and how they may apply to various populations. Evidence-based nutrition practice and societal regulation of the application of this scientific evidence is also addressed. Prerequisite: A minimum of one 100-300 level course covering nutrition, digestion, or metabolism: Junior standing or instructor approval. 4 Semester Hours.

EXS 491 IDE: Laboratory Assistant
This course is an independent project. It is offered to students who have a desire to gain experience in the classroom in preparation for graduate-level education. Prerequisite: EXS 320 and instructor approval. 1 Semester Hour.

EXS 492 IDE: Laboratory Assistant II
This course is an independent project. It is offered to students who have a desire to gain experience in the classroom in preparation for graduate-level education. Prerequisite: EXS 320 and instructor approval. 1 Semester Hour.

EXS 497 - Strength and Conditioning Field Experience I
This course provides students with a supervised, off-campus internship in strength and conditioning. Students apply foundational and advanced knowledge from the Exercise Science curriculum in real-world settings, gaining hands-on experience with athletic populations. In conjunction with EXS 498, this experience must provide the student with a minimum of 300 hours, working with two distinctly different athletic populations (sport, age, sex) and under two different supervisors. Prerequisite: EXS 253. 4 Semester Hours.

EXS 498 Strength & Conditioning Field Experience II
This course provides students with a supervised, off-campus internship in strength and conditioning. Students apply foundational and advanced knowledge from the Exercise Science curriculum in real-world settings, gaining hands-on experience with athletic populations. The experience is designed to meet CASCE requirements for field experience, including direct supervision by qualified professionals, exposure to diverse populations, and demonstration of professional and ethical standards. Prerequisite: EXS 497. 4 Semester Hours.

EXS 499 Internship
An experience-based course in which the student spends a specified amount of time with a sport-related medical or allied health agency or organization in order to gain experience and to understand the application of exercise science. Supervision will be jointly provided by the cooperating organization and the University departmental staff. Prerequisites: Permission of the instructor. 1- 12 Semester Hours.

Finance

FIN 125 Personal Financial Planning
This course will provide a hands-on approach, keyed to the concepts students need to build their own financial plans. The course will provide an introduction to tools used for financial planning, managing liquidity, personal financing, protecting wealth and personal investing strategies. 2 Semester Hours.

FIN 310 Introduction to Finance
This course is intended to expose students to the breadth of Finance and to provide an understanding of the interrelationships among the three areas of finance: financial management, financial markets, and investments; and introduce students to key tools used by financial managers and investors in analysis and decision making. It will make students aware of career opportunities in Finance and acquaint them with the vocabulary of Finance. Note: A student who successfully completes FIN 320 may not subsequently earn credit for FIN 310; however, if credit is first earned in FIN 310, the student may subsequently take and receive credit for FIN 320. Prerequisites: ACC 205. 4 Semester Hours.

FIN 320 Corporate Finance I
Principles and problems in financial management of corporations: Goals and Functions of Financial Management, Financial Analysis and Planning, Time Value of Money, Valuation and Rates of Return, Ratio Analysis, Financial Forecasting, Operating and Financial Leverage; Capital Budgeting and Risk in Capital Budgeting, Capital Rationing, and Replacement Analysis. Note: A student who successfully completes FIN 320 may not subsequently earn credit for FIN 310; however, if credit is first earned in FIN 310 the student may subsequently take and receive credit for FIN 320. Prerequisites: ACC 205, or ACC 206, or with permission of the instructor. Typically offered each semester. 4 Semester Hours.

FIN 321 Corporate Finance II
A continuation of FIN 320 Including such topics as : Working Capital Management, Cost of Capital, Capital Markets, Investment Banking, Long-term Debt and Lease Financing; Common and Preferred Stock Financing, Convertibles, Warrants and Derivatives, External growth through mergers and International financial management. Typically offered each spring semester. Prerequisite: FIN 320. 4 Semester Hours.

FIN 325 Insurance and Risk Management
Addresses concepts of risk, identifying and analyzing loss exposures and techniques for treating loss exposures. Fundamental legal principles related to insurance contracts and the basis of legal liability are covered as well as commercial property, liability and crime insurance. Various personal insurance programs will be reviewed as time permits including life, health, auto, homeowners, employer group plans and social insurance. Prerequisite: MTH 123. 4 Semester Hours.

FIN 330 Financial Modeling
This course is designed to build and expand upon corporate finance concepts utilizing financial software to prepare and analyze an entire portfolio of financial models. Time value of money, valuation, capital budgeting and investment and financial planning concepts will provide the context of several hands-on financial modeling applications and techniques. Prerequisite FIN 321. 2 Semester Hours.

FIN 340 Emerging Markets Finance and Investments
This course aims to provide students with a broad-based understanding of the challenges and opportunities of investing in emerging and frontier markets. What makes investment decisions in these markets different from those in developed countries? How do investments managers decide which market to invest in? How do government policies shape market and investment conditions? Which asset classes should investment managers consider? How do they manage political risk, economic risk, currency risk? What about legal and liquidity constraints? In addition to covering investment decisions from a multidisciplinary perspective – including

economic history, development economic, international/domestic politics, international finance, and international business – the course includes a number of illustrative country overviews as well as case studies, ranging from South/Central America and Northern/Sub-Saharan Africa to the Middle East, South/Southeast Asia and Northeast Asia. 4 Semester Hours.

FIN 399 Special Topics in Finance
See All-University 399 course description.

FIN 455 Investment Principles
This course is designed to enable students to distinguish between various types of investment securities and to acquaint the student with recognized safety tests. A part of the course will be devoted to the analysis and valuation of Equity Securities, Issues in efficient markets, Fixed Income and Leveraged securities, Derivative products, Mutual funds – (types, performance analysis, fees and expense), Portfolio Management, and Investment Ethics. This course will require an extensive research project in finance involving a top down approach to investment analysis. The analysis will involve the integration of macroeconomic analysis, industry evaluation, and fundamental as well as technical company and competitor analysis to evaluate the timing and investment potential surrounding the equity of a particular company. Prerequisite: FIN 321. Typically offered each fall semester. 4 Semester Hours.

FIN 456 Comprehensive Securities Analysis
This is the capstone course for the Finance major; it involves a comprehensive analysis and valuation of a chosen company. This course has been designated as the Senior Culminating Experience for individuals majoring in finance. Prerequisite: FIN 321. 2 Semester Hours.

FIN 457 Personal/Family Financial Planning
This course will engage students in critical thinking and decision-making about personal financial management topics on the context of the financial planning process. They will learn and apply the process in order to analyze and make recommendations for a client in each of the financial planning topic areas of household accounting, taxes, investments, risk management, retirement planning, and estate planning. It will be required to synthesize a plan of action based on the full picture of a client's financial situation. They will demonstrate the ability to make appropriate product suggestions, communicate effectively with the client, and present the information at an appropriate level and prioritize goals and determine the feasibility of achieving these goals. Prerequisites: FIN 125, FIN 325, and FIN 455. 2 Semester Hours.

FIN 494 Honors Thesis/Project
See All-University 494 course description.

FIN 499 Internship in Finance
An experience based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. 1-16 Semester Hours.

French

FRN 101 Elementary French I
This course introduces students to the culture and language of the French-speaking world. Students will develop an ability to communicate in real-life situations by acquiring reading, writing, listening, and speaking skills. FRN 101 is intended for students with no prior knowledge of French, or those who have had 2 years or less of high school French. Prerequisite: none. 4 Semester Hours.

FRN 102 Elementary French II
This course builds on the skills acquired in FRN 101. Students will continue to develop an ability to communicate in real-life situations by acquiring additional reading, writing, listening, and speaking skills. Successful completion of this course satisfies the World Language Proficiency requirement. Prerequisite: While there is no specific prerequisite for this course, a basic knowledge of first-semester French or 2 or more years of high school French is highly recommended. 4 Semester Hours.

FRN 115 Chat it Up! Language Learning with AI
This two-credit online course strengthens students' productive skills in a previously studied target language through structured use of the AI platform Speakology. Students engage in online conversations with a realistic AI avatar that simulates video calls

with a native speaker. All practice activities and learning sequences are designed by faculty, and AI responses are calibrated to the proficiency expectations of each assignment. The course emphasizes productive communication skills while also developing students' awareness of AI-supported multilingual tools through individualized AI-guided speaking tasks and conversational simulations. Graded S/U only. May be repeated for additional credit with permission of instructor. Prerequisite: One intro level French course. 2 Semester Hours.

FRN 201G The Francophone World
In this course students will advance their knowledge of French by continuing to work on reading, writing, listening, and speaking. Students will have numerous opportunities for meaningful communication while deepening their knowledge of francophone cultures. Prerequisite: FRN 102, passing the University of Mount Union proficiency test, or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

FRN 202 French Conversation and Composition
This course is designed to develop competence in both written and spoken French. By examining a range of topics, students will develop self-expression ability, communicative strategies, and sociocultural competence. 4 Semester Hours.

FRN 203G French Cinema
This course is an introduction to French cinema. By examining a variety of French films, students will improve listening comprehension and written and oral expression. Movies will be viewed in French. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

FRN 204 French Society
This course is an introduction to French society. By reading, discussing, and listening to lectures and presentations, students will increase their French language skills. 4 Semester Hours.

FRN 205 French Pop Culture
In this course students will build language skills in French through the study of popular culture, including music, technology, bandes-dessinées, political satire, TV, slang, rituals and food. 4 Semester Hours.

FRN 206 Paris: The City of Lights
In this course students will develop their French language skills by studying various representations of Paris in print and visual forms. 4 Semester Hours.

FRN 210 Travel Seminar
In this course students will participate in a faculty-led trip to a French-speaking location. 1-4 Semester Hours.

FRN 215 Chat it Up! Advanced Language Learning with AI
This two-credit advanced online course strengthens students' productive skills in French through structured use of the AI platform Speakology. Students engage in online conversations with a realistic AI avatar that simulates video calls with a native speaker. All practice activities and learning sequences are designed by faculty, and AI responses are calibrated to the proficiency expectations of each assignment. The course emphasizes productive communication skills while also developing students' awareness of AI-supported multilingual tools through individualized AI-guided speaking tasks and conversational simulations. Graded S/U only. May be repeated for additional credit with permission of instructor. Prerequisite: Intermediate level knowledge in French. 2 Semester Hours.

FRN 235H The Peoples and Cultures of Contemporary France
In this course students will examine various aspects of contemporary French culture including, but not limited to, education, family, religion, politics, immigration, media, personal space, language, and the arts. Class discussions will emphasize cross-cultural comparisons. Taught in English. 4 Semester Hours.

FRN 290 French Conversation Practicum
This course offers students the opportunity to develop conversational speaking skills in French. Course graded S/U only. May be repeated for additional credit with permission of the instructor. 1-2 Semester Hours.

FRN 295 French Cuisine Practicum
This course offers students the opportunity to develop conversational speaking skills in French through the medium of cuisine and gastronomy. Students will develop language proficiency in French while learning about French culinary culture. 2 Semester Hours.

FRN 301 French for the Professions
This course introduces students to advanced structures of the French language with an emphasis on various professional contexts. Students will acquire language abilities in the areas of business, education, the environment, sports, and medicine, among others. Prerequisite: One course from the intermediate level that is taught in French or permission of instructor. 4 Semester Hours.

FRN 302V French Theatre Workshop
This course is an introduction to French theatre. Students will read a variety of French plays from various periods and examine themes, characters, and action. Emphasis will be placed on acting and on developing French language skills. Prerequisite: One course from the intermediate level that is taught in French or permission of instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

FRN 303 Business French
This course teaches students how to communicate in a business setting. Students will learn appropriate vocabulary, write correspondences, and study cross-cultural differences between French and American business environments. Prerequisite: One course from the intermediate level that is taught in French or permission of instructor. 4 Semester Hours.

FRN 304V Finding the Poetic
This course examines the poetic found in a variety of 19th and 20th Century French texts. Prerequisite: One course from the intermediate level that is taught in French or permission of instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

FRN 305 The French Novel
This course is an introduction to the French novel. Students will engage in close readings of several works while improving vocabulary and enhancing abilities in the four language skills. Prerequisite: One course from the intermediate level or above that is taught in French or permission of instructor. 4 Semester Hours.

FRN 306 French for National Security and World Affairs
This course is designed to expose students to the historical evolution of terrorism and national security in France. Students will develop specialized linguistic skills for these growing careers. Prerequisite: One course from the intermediate level that is taught in French or permission of instructor. 4 Semester Hours.

FRN 350 Internship
This course provides an experiential learning activity designed to provide students with opportunities to connect language learning in an academic setting with the requirements of a professional work environment. Internships provide students with relevant work experience and professional networking opportunities. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor. 1-4 Semester Hours.

FRN 385 Methods of Teaching French
A practical and theoretical methodology course which emphasizes lesson planning, writing instructional objectives, assessment, curriculum design, and a study of methodologies and materials relevant to the teaching of French in the elementary, middle, and secondary schools. The course emphasizes the core guidelines of the American Council on the Teaching of World Languages and relates instructional planning to Ohio's Model for a Competency-Based Program in World Languages. This course must be taken prior to or concurrently with Multiage Student Teaching and FRN 386. This course does not count toward the requirements of the major or minor in French. Prerequisites: Successful completion of one 300-level course in French and permission of the instructor. 4 Semester Hours.

FRN 386 Practicum in the Teaching of French
A practicum designed to put into immediate practice theories and strategies discussed in FRN 385. The student will serve as a teaching assistant in an elementary or intermediate course in French in the Department of World Languages and Cultures. It is recommended that this course be taken concurrently with FRN 385. This course does not count toward the requirements for the major or minor in French. Prerequisites: Successful completion of one or more 300-level courses in French and permission of the instructor. 2 Semester Hours.

FRN 387 Teaching French in the Elementary School
This course is a practicum designed to make available to the teacher candidate in French a practical field experience at the elementary school level. Under the direct supervision of world language faculty, the teacher candidate will participate in a FLES program at a local elementary school for one semester. It is recommended that this course be taken concurrently with FRN 385. This course does not count toward the requirements for the major or minor in French. Prerequisite: Permission of the instructor. 1 Semester Hour.

FRN 401 Advanced Special Topics
Topics may vary. May be repeated for credit. Consent of instructor required. Prerequisite: One course at the 300 level or permission of instructor. 4 Semester Hours.

FRN 485 Teaching Assistant Practicum – French
Intended for French-language teaching assistants only. This course may be repeated for credit. 6 Semester Hours.

Gender Studies

GEN 199 Special Topics in Gender Studies
See All-University 199 course description.

GEN 150S Introduction to Gender and Sexuality Studies
This course focuses critically on the social construction of gender and sexuality, inequalities based upon gender and sexuality, and various efforts to end such inequalities. Students will gain an understanding of the intersectional dynamics of privilege and oppression as they relate to race, class, ethnicity, and other social locations. 4 Semester Hours.

GEN 220 Gender, Body, Identity
The course examines the importance of the human body understood as both a biological and cultural entity. Some of the topics to be explored in the class are foot-binding, genital mutilation, "cutting," tattoos and "body adornment," steroids, anorexia, cosmetic surgery, the medical construction of gender and the cyborg. 4 Semester Hours.

GEN 299 Special Topics in Gender Studies
See All-University 299 course description.

GEN 310 Seminar in Gender Studies
An advanced seminar exploring current theories and/or issues in the interdisciplinary field of gender studies. The specific topics will vary according to the interests of the faculty member teaching the course. The complex intersections between gender and race, ethnicity, class, and sexual orientation will be an ongoing concern of the seminar. Prerequisite: GEN 201 or permission of the instructor. 4 Semester Hours.

GEN 320V From Antietam to Tora Bora: American Men at War
American tradition tells us that not only is war hell, it is the ultimate measure of manhood. However, the actual experiences of men in war tell us that war is so much more than this, and their narratives reveal that the real story of American men at war is a much more complicated and nuanced one. Using a variety of written texts as well as film, we will explore what war can teach us about masculinity—and vice versa. Along the way, the class will introduce students to some of the approaches and methodologies associated with men's studies. Prerequisite: Sophomore standing or above. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

GEN 330G International Perspectives on Gender
This course examines cultural constructions of both gender and sexuality including how they interact with systems of power such as ethnicity, race, colonialism, imperialism, globalization, genocide, militarism and slavery. Within the frameworks of human rights and transnational feminisms, this course focuses on contemporary global debates regarding a variety of topics such as violence against women, reproductive rights and other women's health issues, sex trafficking, terrorism, poverty, religious fundamentalism, access to education, political participation, among other key issues that affect women and LBGTQ communities. Special attention will be paid to analyzing conditions that promote and inhibit the status of and rights of women and LBGTQ persons including the work of governments, international non-governmental organizations and local activists. Prerequisites: Sophomore standing. GEN 150S is recommended. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

GEN 399 Special Topics in Gender Studies
See All-University 399 course description.

GEN 400 Independent Study in Gender Studies
The study of selected topics or projects in gender studies. Open to juniors and seniors minoring in gender studies. A prospectus must be submitted for approval prior to registration. 4 Semester Hours.

GEN 499 Internship
Prerequisite: Junior or senior status and approval of gender studies coordinator. 1-4 Semester Hours.

Geology

GEO 112N Physical Geology: How the Earth Works
An examination the natural processes that shape the earth's past, present and future and their impact on the residents of the planet. Course will also introduce the methods scientists use to study the Earth. Topics addressed include the formation of earth materials, natural hazards such as volcanoes and earthquakes, plate tectonics and mountain building, and earth history. There will be three hours of classroom study and one two hour lab each week. Students who complete GEO 112 cannot also receive credit for GEO 116. 4 Semester Hours.

GEO 116N Investigation Earth
A hands-on exploration of the dynamics that shape planet Earth and an introduction to methods scientists use to study the Earth's past, present, and predict its future. The course will examine the origin, evolution, and interaction of the Earth's lithosphere, hydrosphere and atmosphere and the impact these interactions have had on the Earth's history and on human habitation of the planet. Students who complete GEO 116 cannot also receive credit for GEO 112. Five hours of combined lecture and lab per week. 4 Semester Hours.

GEO 199 Special Topics
See All-University 199 course description.

GEO 210V Hydrology and Water Resources
A study of water properties, occurrence, distribution, and movement and their relationship with the environment within each phase of the hydrological cycle. The course also examines water quantity and quality issues, and water management policies. Prerequisite: BI0 141 or ENV 190 or GEO 112 or GEO 116 or consent of the instructor. Three class hours and one three-hour laboratory per week. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

GEO 212 Evolution of the Earth
The geologic record of Earth will be explored in order to understand the continual evolution of the solid Earth and its inhabiting lifeforms. The geologic history of the Earth will be placed in context with its role in shaping the present-day by examining physical, chemical, biological, and climatic processes that have continuously changed and influenced Earth over its 4.56 billion-year history. Prerequisite: GEO 112 or GEO 116 or instructor's permission. Three class hours and one two-hour laboratory session per week. 4 Semester Hours.

GEO 299 Special Topics
See All-University 299 course description.

GEO 301V Earth Materials
An introduction to the materials that make up the Earth and the tools used to study these materials. Emphasis is placed on the identification, classification and interpretation of the geological significance of minerals. The course introduces crystallography, physical mineralogy, crystal chemistry, optical mineralogy, x-ray diffraction, and hand sample petrography. The origin and environmental impacts of mineral resources are also studied. Prerequisite: GEO 112 or GEO 116. Three class hours and one two hour laboratory session per week. Offered in alternate years. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

GEO 302 Igneous and Metamorphic Petrology
A study of the igneous and metamorphic rocks and their significance to the origin and evolution of the earth's crust. Emphasis placed on the identification, physical and chemical classification, petrogenesis, and tectonic significance of igneous and metamorphic rocks. Prerequisite: GEO 301V. Three class hours and one two hour laboratory session per week. Offered in alternate years. 4 Semester Hours.

GEO 325 Sedimentation and Stratigraphy
An examination of the components of sedimentary deposits, processes of sediment deposition in different environments and sedimentary rock formation. The sedimentary rocks are placed in a time-stratigraphic perspective through correlation and basin analysis. Prerequisites: GEO 112 or GEO 116, GEO 212. GEO 301V is recommended but not required. Three class hours and one two hour laboratory session per week. Offered in alternate years. 4 Semester Hours.

GEO 330 Structural Geology
A study of deformation in the Earth's crust at all scales. Emphasis on recognition and analysis of structural features and interpretation of their tectonic significance. Prerequisites: GEO 212 and either GEO 112 or GEO 116. Three class hours and one two hour laboratory session per week. Offered in alternate years. 4 Semester Hours.

GEO 345 Solid earth Processes
An introduction to the natural processes occurring within the Earth and the tools used to study them. Course examines processes occurring within the Earth and how they impact the environment. Topics addressed will include volcanic eruptions, mountain building, earthquakes, and formation of ore deposits. Prerequisites: GEO 112N. 4 Semester Hours.

GEO 381-384 Geology Seminar
A review of classic papers and current publications relevant to the broad spectrum of earth sciences. Each semester students will prepare a written report and give a presentation on a subject of their own choosing that is of current geological interest. Normally taken in junior and senior years. Each student is responsible for giving one seminar presentation each semester. Regular attendance at scheduled seminars is also required. Prerequisite: Registration only by permission of the instructor. 0.5 Semester Hours.

GEO 399 Special Topics
See All-University 399 course description.

GEO 410 Research
Independent study and research in earth science. May be taken on an interdepartmental basis with permission of the departments involved. Research projects are determined by the student's interest. A formal presentation of the results of the research is required. Open to advanced students majoring in geology who have demonstrated a desire and an aptitude for independent research. Prerequisite: Registration only by permission of the instructor. May be taken more than one semester. 1 - 4 Semester Hours.

GEO 425 Senior Culminating Experience
A two-semester course designed to fulfill the University requirements for a Senior Culminating Experience. This course is required of all geology majors. Students will develop and conduct an independent scientific research project and present the results as a written report and an oral presentation. A grade of "In Progress" will be assigned at the end of the first semester. The final grade will be entered for both semesters at the end of the second semester. Prerequisites: Permission of the instructor. 2 Semester Hours each semester for a total of 4 Semester Hours.

GEO 494 Honors Thesis/Project
A research/project course designed to meet the needs of the individual student seeking honors in the major at graduation. Prerequisites: junior or senior standing, and approval of the instructor, the department chair and the Honors Review Board. Credit variable, 4-6 Semester Hours.

German

GRN 101 Elementary German I
The first of two elementary-level courses intended to help students develop communicative as well as intercultural competence in German. GRN 101 is intended for students with no prior knowledge of German, or those who have had 2 years or less of high school German. Prerequisite: none. 4 Semester Hours.

GRN 102 Elementary German II
The second of two elementary-level courses intended to help students develop communicative as well as intercultural competence in German. Successful completion of this course satisfies the World Language Proficiency requirement. Prerequisite: While there is no specific prerequisite for this course, a basic knowledge of first-semester German or 2 or more years of high school German is highly recommended. 4 Semester Hours.

GRN 201 Issues in Contemporary German Culture and Society
A content-based, intermediate-level course designed to improve students' German language skills by exploring current cultural and social trends in Germany. 4 Semester. Hours.

GRN 202 Austria, Switzerland, and German-Speaking Europe
A content-based, intermediate-level course designed to improve students' German language skills by exploring cultural and social trends in Austria, Switzerland, and German-speaking Europe. 4 Semester Hours.

GRN 203 German Through Film
An intermediate-level course designed to improve students' German language skills through the study of German-language cinema. 4 Semester Hours.

GRN 205 German for the Professions
A content-based intermediate-level German course in Commercial, Applied, and Technical German designed for students in the fields of business, engineering, international studies, national security, and the sciences. Emphasis is placed on developing linguistic and cultural competence necessary for using German in professional situations. Prerequisite: None. 4 Semester Hours.

GRN 210 Travel Seminar
In this course students will participate in a faculty-led trip to German-speaking Europe. 1-4 Semester Hours.

GRN 235H The Peoples and Cultures of Contemporary Germany
A study of unified Germany with an emphasis on social, political, economic, and cultural trends from 1945 to the present. Course readings and all class discussions are in English. Prerequisite: none. 4 Semester Hours.

GRN 290 Intermediate Conversation and Composition Practicum
This course features individualized and small group practice designed to help intermediate-level students strengthen their speaking and writing skills in German. Course graded S/U only. May be repeated for additional credit. 1 Semester Hour.

GRN 301 Advanced German Language, Literature, and Culture I
The first of two advanced-level content courses required of all German majors. Topics and content may vary. Emphasis is placed on developing advanced-level skills in German, as well as greater intercultural competence by analyzing German literary and artistic works. This course meets for 7 weeks (1/2) of the semester. Prerequisite: One course from the intermediate level that is taught in German or permission of the instructor. 2 Semester Hours.

GRN 302 Advanced German Language, Literature, and Culture II
The second of two advanced-level content courses required of all German majors. Topics and content may vary. Emphasis is placed on developing advanced-level skills in German as well as greater intercultural competence by analyzing German literary and artistic works. This course meets for 7 weeks (1/2) of the semester. Prerequisite: One course from the intermediate level that is taught in German or permission of the instructor. 2 Semester Hours.

GRN 304 Special Topics in German Literature and Culture
An advanced-level course exploring literary, cultural and artistic topics from the German-speaking world. This course may be repeated for additional credit with the permission of the instructor. This course meets for 7 weeks (1/2) of the semester. Prerequisite: One course from the intermediate level that is taught in German or permission of the instructor. 2 Semester Hours.

GRN 350 Internship
This course provides an experiential learning activity designed to provide students with opportunities to connect language learning in an academic setting with the requirements of a professional work environment. Internships provide students with relevant work experience and professional networking opportunities. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor. 1-4 Semester Hours.

GRN 385 Methods of Teaching German
A practical and theoretical methodology course which emphasizes lesson planning, writing instructional objectives, assessment, curriculum design, and a study of methodologies and materials relevant to the teaching of German in the elementary, middle, and secondary schools. The course emphasizes the core guidelines of the American Council on the Teaching of World Languages and relates instructional planning to Ohio's Model for a Competency-Based Program in World Languages. This course must be taken prior to or concurrently with Multiage Student Teaching and GRN 386. This course does not count toward the requirements of the major or minor in German. Prerequisites: Successful completion of one 300-level course in German and permission of the instructor. 4 Semester Hours.

GRN 386 Practicum in the Teaching of German
A practicum designed to put into immediate practice theories and strategies discussed in GRN 385. The student will serve as a teaching assistant in an elementary or intermediate course in German in the Department of World Languages and Cultures. It is recommended that this course be taken concurrently with GRN 385. This course does not count toward the requirements for the major or minor in German. Prerequisites: Successful completion of one or more 300-level courses in German and permission of the instructor. 2 Semester Hours.

GRN 387 Teaching German in the Elementary School
This course is a practicum designed to make available to the teacher candidate in German a practical field experience at the elementary school level. Under the direct supervision of world language faculty, the teacher candidate will participate in a FLES program at a local elementary school for one semester. It is recommended that this course be taken concurrently with GRN 385. This course does not count toward the requirements for the major or minor in German. Prerequisite: Permission of the instructor. 1 Semester Hour.

GRN 390 Advanced German Conversation and Composition Practicum
This course features individualized and small group practice designed to help advanced-level students strengthen their speaking and writing skills in German. This course is taught in German. Course graded S/U only. May be repeated for additional credit. Prerequisite: Permission of the instructor. 1 Semester Hour.

GRN 401 Advanced Special Topics
Topics may vary. May be repeated for credit. Consent of instructor required. Prerequisite: One course at the 300 level or permission of the instructor. 4 Semester Hours.

GRN 485 Teaching Assistant Practicum – German
This course is intended for German-language teaching assistants only. This course may be repeated for additional credit. Prerequisite: Permission of the instructor. 6 Semester Hours.

Health

HED 199 Special Topics in Health
See All-University 199 course description.

HED 220A Arts and Society: Cultural Expressions of Health
Curious about how the arts and health align? For centuries, humans have used the arts to make sense of our world, to connect with others, and to contribute to our environment in impactful ways. This course explores the awareness and practice of an arts discipline in medicine and public health. 4 Semester Hours.

HED 299 Special Topics in Health
See All-University299 course description.

HED 380 Nutrition
A comprehensive investigation of the basics of nutrition, the role that nutrition plays in the maintenance of health, and its effects on human performance. Students will learn about the six main nutrients, dietary supplements, disordered eating, and nutrition for patients with cancer, athletes, and children. 3 Semester Hours.

HED 381 Substance Abuse Education and Prevention
This course will provide an overview of the major drugs of abuse and their effects on the body as well as the biological, sociological, psychological, and legal issues associated with drug use and abuse in our culture. An emphasis will be given to effective educational approaches and prevention programs that address the problems of use and abuse. 3 Semester Hours.

HED 382 Disease Prevention and Control
This course provides an overview of basic prevention and investigation of the signs, symptoms, prognosis, and treatments associated with various common diseases. Cultural diversity in health and illness, the health care delivery system, and aging will also be addressed. 3 Semester Hours.

HED 383 Human Sexuality
This course addresses issues related to the practice, meaning and significance of human sexual relations and their biological, psychological, and sociological effects on health. Specific attention will be given to sexually transmitted infections, diverse populations, fostering healthy relationships, refusal skills, decision making skills, communication skills, and strategies for teaching sexuality to children and adolescents. 3 Semester Hours.

HED 385V Health Explorations
This course allows for thoughtful reflection, development of health-related ideas, and their impact on personal and community health outcomes. This course completes the Integrative Core Values and Reasoning requirement for the eligible HED prefix courses. It must be taken concurrently with one of the eligible courses. These courses include: HED 380, HED 381, HED 382, HED 383. Students are responsible for applying the content derived from these eligible courses and expanding on them in written

and oral assignments. This information will then be reflected and expanded upon in HED 385V. Corequisites: Concurrent enrollment required from one of four eligible courses: HED 380, HED 381, HED 382, and HED 383. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 1 Semester Hour.

HED 399 Special Topics in Health
See All-University 399 course description.

HED 494 Honors Project
See All-University 494 course description.

HED 499 Internship in Health
See All-University 499 course description.

History

HST 101H Western Civilization I
A survey of the development of Western civilization from its earliest times to the mid-17th century. It emphasizes the evaluation of institutions and the cultural contributions of successive periods. 4 Semester Hours.

HST 102H Western Civilization II
A survey of the development of western civilization stressing major cultural, political, economic and institutional changes from 1648 to the present. 4 Semester Hours.

HST 110 Asian Civilization
A survey of cultural, political, economic, and social developments in Chinese, Japanese, Indian, and Central Asian civilizations. Critical attention will be paid to the interaction of Asia and the West in the modern era. 4 Semester Hours.

HST 135 Western Thought in Society and Politics
An examination of the principal themes, philosophies, and ideologies of the western tradition which have molded and continue to affect our political institutions, our political beliefs and our politics. The course will begin with the classical Greek roots of our civilization; will explore the religious, primarily Christian, components of western society; will then discuss the contribution of scientific thought, and conclude with a brief examination of post-modern perspectives. 4 Semester Hours.

HST 199 Special Topics in History.
See All-University 199 course description. 4 Semester Hours.

HST 200 The Historian's Craft
An examination into the nature and method of historical inquiry and the construction and writing of history. The course will introduce students to historiography, the philosophy of history, issues facing historians, practical research methods and the evaluation of sources. The course stresses critical thinking and analysis as well as close critical reading, writing and speaking skills. HST 200 is a prerequisite for the SCE and is suggested as preparation for 300-level courses. This course is typically taught in the spring of even-numbered years. 4 Semester Hours.

HST 205 Colonial America
An examination of American history from the discovery of the Americas through 1787. The course will address elements in political, economic, and cultural histories of the thirteen continental colonies of British North America; students will be introduced to the politics of the Enlightenment and the American founding, including discussion of the U.S. Constitution and Bill of Rights. 4 Semester Hours.

HST 206H Nineteenth Century United States
An examination of U.S. history from 1787 to 1880, including the Early National Period, Civil War, and Reconstruction. Political, economic, social, military, and cultural history will be discussed. 4 Semester Hours.

HST 207V American History, 1880 to 1945.
An examination of elements in political, economic, social, and cultural history, as well as foreign affairs, from the Gilded Age to the Second World War. Among topics addressed will be progressivism, the New Deal, the world wars. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 208V United States Since 1945
An examination of elements in political, economic, social, and cultural history, as well as foreign affairs from the end of the Second World War to the present. Among the topics addressed will be the cold war, the affluent society, the war on poverty, the counterculture, the rise of conservatism, the terrorist attack of September 11, 2001, and more. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 280H American Women's History
This course concentrates on women as active participants in the history of the United States from pre-colonial contact to the present. It will begin with an examination of the status of women in Europe, Africa, and the Americas prior to colonization and will consider the changes that occurred as a result of Europe's "discovery" of the Americas. It will examine both the general contributions women have made to the economic, social and political spheres and the roles specific women have played in the development of the nation. Women of all socio-economic, religious, ethnic and color groups will be considered. 4 Semester Hours.

HST 295H The Long Struggle: African American History and Civil Rights
This course will explore the role that African Americans have played in the development of this country with a focus on the Civil Rights Movement in the last half of the semester. The course begins with a discussion of Africa before the advent of modern slavery and will bring the discussion into the twenty-first century. And, while much of the course will be concerned with the general history, we will also consider specific individuals. We will be studying politics and economics but will concentrate on society, and so will cover vast amounts of material. 4 Sem. Hrs. As part of the Integrative Core, this course will emphasize the development of written and oral communication skills, and it will introduce students to the basic approaches of the humanities as a means of understanding the world. 4 Semester Hours.

HST 299 Special Topics in History
See All-University 299 course description. 4 Semester Hours.

HST 320 Renaissance and Reformation
A survey of Europe from the first stirrings of the Renaissance in Italy to the conclusion of the Catholic Counter Reformation, covering the approximate years 1300 to 1600. This course emphasizes intellectual, political and institutional developments. 4 Semester Hours.

HST 344 Africa's Promise: Challenges and Opportunities of the 'Forgotten Continent'
This course is intended as a comprehensive survey of the political, social, cultural, economic, and historical factors affecting the African continent. Particular attention will be devoted to the legacy effects of colonialism/imperialism, regional security concerns, and Africa's position in the global economy and in international politics. In doing so, this course will draw on a diverse range of case studies spanning North Africa and Sub-Saharan Africa. 4 Semester Hours.

HST 345G Europe's Future: Politics, Society, and Economy
This course provides a comprehensive overview into the situational context, structures, and evolutionary and transformational dynamics of selected European polities (including polities in Western, Northern, Southern, and Central/Eastern Europe) and the European Union. Specific themes will include discussions on European regionalism and supranationalism, social welfare state politics, European integration and enlargement, immigration and demographic challenges, and the rise of extreme right parties, among others. Discussion and contextual analysis of current social, political and/or economic trends and developments, as well as future prospects and challenges, will be an integral part of the course. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 346G The Rise of Asia: Politics, Society, and Economy
This course is intended as a comprehensive survey of the political, social, cultural, economic, and historical factors that have shaped China, Japan, the Korean peninsula and Southeast Asia since World War I. Specifically, the course will address the historical antecedents, contemporary manifestation, and the evolution as well as future prospects and challenges of political culture, political institutions/processes, political economy systems and social structures in Northeast and Southeast Asia. Additionally, discussion and contextual analysis of key contemporary domestic political/economic/social dynamics will also be an integral part of the course. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 347G Post-Soviet Politics: From Soviet Collapse to Resurgence
An introduction to the politics of Russia and the now independent states of the former Soviet Union. This course examines the changes and continuity in post-Soviet politics as well as the origins and development of the political and economic systems. Some of the issues examined in the course include the politics of economic reform, democratization, the rise of ethnic conflicts, and the collapse of communism and its aftermath. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 348 Problems of Developing Nations
An interdisciplinary study of the social, economic and political history of the developing world from 1945 to the present. The course will focus on three broad geographical areas, Asia, Africa and Latin America, in the context of foreign aid, globalization, population growth, and human rights. 4 Semester Hours.

HST 349G Middle East: Challenges and Opportunities of a Volatile Region
This course is intended as a comprehensive survey of the political, social, cultural, economic and historical factors affecting the broader Middle East. Particular attention will be devoted to the Sunni-Shiite rivalry, the Arab-Israeli conflict, socioeconomic dynamics, the vulnerability of success of oil-rich economies, political (in)stability, and regional security concerns, and the position of the Middle East in the global economy and in international politics. In doing so, the course will draw on a diverse range of country case studies. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 350V Ancient Greece and Rome
A survey of the ancient roots of Western Civilization. Attention will focus on the intellectual, cultural, and political development of Ancient Greece and Rome from c. 800 B.C.E. to 300 C.E. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 355G Medieval Europe
A survey of Europe from 300 C.E. to 1300 C.E. with emphasis on religious, political, and economic developments. Particular attention will be given to church and empire, feudalism, commerce, and the rise of the dynastic states. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

HST 399 Special Topics in History
See All-University 399 course description. 4 Semester Hours.

HST 400 Seminar in Western History
Each student will select a research project from some area of European or American history, apply critical research techniques to it and complete a polished paper. This course satisfies the Senior Culminating Experience requirement for history majors. Prerequisite: HST 200. Fall Semester. 4 Semester Hours.

HST 494 Honors Thesis/Project
A formal, scholarly paper written under the supervision of an advising professor. (See All-University 494 course description. Can be completed in one or two semesters. Arrangements must be made with the instructor during the semester prior to the one in which the course is offered, and proposal must receive approval from the Honors Review Board. Prerequisite: Junior or senior standing, instructor's permission, and Honors Review Board approval. Prerequisite: HST 200. 4 or 6 Semester Hours.

HST 499 Internship
This is an experience-based course in which the student spends a specified amount of time with a local, county or state historical society in order to learn how such institutions function and to understand the richness of local historical sources and their importance to the historian. Supervision is provided by the cooperating society and the Department of History. The specific program for each internship will vary as agreed upon by the intern, the internship coordinator and the cooperating society. Arrangements must be made with the instructor during the semester prior to the one in which the course is offered. 1-8 Semester Hours.

Honors

HON 110 Honors First Year Seminar
This course is designed to enhance core academic skills including written and oral communication, analytical and creative thinking, and project-based collaboration. The thematic content of these seminars will vary with professor (announced in advance), but all

HON 110 seminars will feature a major collaborative project, cocurricular learning outside the classroom, and service to the community. A grade of B+ or above is necessary to earn University Honors credit. Open to University Honors students only. 4 Semester Hours.

HON 210 Honors Mission Seminar: Fulfilling Life
This discussion-based course draws upon the sciences, arts, and humanities to examine definitions of, and routes to, a fulfilling life. Four major domains of human existence will be explored, including the physical, psychological, spiritual, and social. In addition to in-class discussion, students will engage in personal reflection, put practical evidence-based exercise to use in their own daily living, encounter different perspectives on the topic through guest speakers, off-campus experiences such as site visits, and service to the community. Open to University Honors students only. A grade of B+ or above is necessary to earn University Honors credit. 2 Semester Hours.

HON 220 Honors Mission Seminar: Meaningful Work
This discussion-based course explores the role of vocation in a fulfilling life, along with practical steps for discovering what aspects of our lives, values, loves, and personalities help us pursue meaningful work. In addition to discussion and personal reflection, the course features guest speakers from a variety of careers as well as off-campus site visits, internship research, a service project, and an introduction to our alumni network. Open to University Honors students only. A grade of B+ or above is necessary to earn University Honors credit. 2 Semester Hours.

HON 230 Honors Mission Seminar: Responsible Citizenship
This discussion-based seminar draws from multiple fields of study to explore the opportunities and responsibilities of citizenship in a democracy, the skills of responsible civic participation, and the ways individuals can help shape positive change. In addition to discussion and guest speakers, the course will include opportunities for off-campus site visits and community service experiences that connect classroom learning with real-world engagement. Open to University Honors students only. A grade of B+ or above is necessary to earn University Honors credit. 2 Semester Hours.

HON 410 Honors Capstone
This Capstone seminar asks students to reflect on their college experience while using their skills in a major collaborative project. This project will address a need or problem in the campus, local or global community. Students will conceive, research, plan, and implement the project in association with other support entities. Prerequisite HON 210, HON 220, HON 230, successful completion of the Second-Year Raider Foundations Portfolio, and all other Integrative Core requirements. Open to University Honors students only. 4 Semester Hours.

Integrative Core

See "General Education: The Integrative Core" for additional information about the Integrative Core: First Year Seminar, Foundations, Second Year Raider Foundations Portfolio, Explorations, and Capstone.

FYS 100 First Year Seminar
The First Year Seminar (FYS) is a topic-based course that will help students adjust socially and academically to college and to Mount Union. In this course, students will develop a sense of belonging to our diverse campus community, learn to navigate a new learning environment, build connections to peers, faculty, and staff, and gain confidence in essential core skills (critical thinking, written and spoken communication, problem-solving, and reflective learning). 4 Semester Hours.

FYS 105 First Year Seminar
The First Year Seminar (FYS) is a topic-based course that will help students adjust socially and academically to college and to Mount Union. In this course, students will develop a sense of belonging to our diverse campus community, learn to navigate a new learning environment, build connections to peers, faculty, and staff, and gain confidence in essential core skills (critical thinking, written and spoken communication, problem-solving, and reflective learning). 4 Semester Hours.

CAP 400 Integrative Core Capstone Seminar
The Senior Capstone is a topic-oriented course that builds on the Explorations requirement by moving students from faculty-guided synthesis to student-led integration. The purpose of the Senior Capstone is twofold:

- providing students with opportunities to engage in collaborative learning with peers from a variety of academic disciplines.
- utilizing the e-portfolio to reflect upon their intellectual journeys through the curriculum in a reflection upon their philosophies of learning

These seminars provide students with the opportunity to engage in collaborative learning with their peers in the context of real world problems. As they work to generate possible solutions for these real-world problems, students will actively integrate the cumulative knowledge and skills they have acquired over the course of their liberal arts educations in both the integrative Core

and their respective majors and minors. The Senior Capstone Seminar e-portfolio affords students the opportunity to reflect upon as well as document their individual intellectual journeys through their University of Mount Union curricular and co-curricular experiences. These seminars offer students the opportunity to draw their disciplinary skills and resources into real-world scenarios in ways that link the arts, humanities and sciences with the 21st century global community in which they will live and work, helping them to realize how their education in disciplinary, interdisciplinary and integrative learning through the Integrative Core equips them with resources to address complex issues, especially the ability to work collaboratively across disciplines and to negotiate competing interests and worldviews. Prerequisite: Successful completion of the Second Year Raider Foundations Portfolio, and all other Integrative Core requirements. 4 Semester Hours.

TRF 100 Transfer Student Seminar
This 8-week course will help transfer students who transfer in fewer than 48 credit hours transition to Mount Union, learn about the meaning and purpose of a liberal education, and understand the purpose and requirements of the Integrative Core. The course will also help transfer students integrate work they have done elsewhere in preparation for the Second Year Raider Foundations Portfolio. This course is a graduation requirement for all transfer students and is to be completed in the first semester at Mount Union. Prerequisite: Transfer student standing. Typically offered fall and spring. Advanced transfer students (those transferring in at least 48 credit hours, including successful completion of College Writing, or equivalent, and Public Speaking, or equivalent) substitute TRF 200. 1 Semester Hour.

TRF 200 Advanced Transfer Student Seminar
This 16-week course will help advanced transfer students (those who transfer in at least 48 credit hours) transition to Mount Union, learn about the meaning and purpose of a liberal education, and understand the purpose and requirements of the Integrative Core. In addition, students will refine their writing and speaking skills, choose and revise writing and speaking assignments, and complete a Second Year Raider Foundations Portfolio. At the end of the course, students' written and speaking proficiency will be assessed. This course replaces TRF 100 and is a graduation requirement for all advanced transfer students and is to be completed in the first semester at Mount Union. Prerequisites: Transfer student standing, and 48 or more credit hours earned, including successful completion of College Writing (or equivalent) and Public Speaking (or equivalent). 2 Semester Hours.

RFP 200 Revising the Written Communication Portion of the Raider Foundations Portfolio
This class is for students who have not shown proficiency in the written communication portion of the 2nd Year Raider Foundations Portfolio and have elected to work on their writing in a class setting. In this class, students will learn about effective writing techniques, focusing on those most in need of improvement for each student. While learning more about effective writing, students will work to revise their written communication portion of the Raider Foundations Portfolio, which will be the final product of the class. Enrolled students will complete the written communication portion of the Raider Foundations Portfolio requirement if they earn an S grade in this class. Prerequisites: Students must have submitted a complete written communication portion of the Raider Foundations Portfolio as defined in the catalog section "Details of the Second Year Raider Foundations Portfolio" and failed the written communication portion of the Raider Foundations Portfolio. Offered S/U only. 2 Semester Hours.

RFP 201 Revising the Oral Communication Portion of the Raider Foundations Portfolio
This class is for students who have not shown proficiency in the oral communication portion of the 2nd Year Raider Foundations Portfolio and have elected to work on their speaking and presenting abilities in a class setting. In this class, students will learn about effective speaking and presenting techniques, focusing on those most in need of improvement for each student. While learning more about effective public speaking, students will work to revise their oral communication portion of the Raider Foundations Portfolio, which will be the final product of the class. Enrolled students will complete the oral communication portion of the Raider Foundations Portfolio requirement if they earn an S grade in this class. Prerequisites: Students must have submitted a complete oral communication portion of the Raider Foundations Portfolio as defined in the catalog section "Details of the Second Year Raider Foundations Portfolio" and failed the oral communication portion of the Raider Foundations Portfolio. Offered S/U only. 2 Semester Hours.

RFP 240 DWOC Practicum
This course covers the theory and practice of peer tutoring with emphasis on tutoring writing and oral communication. Students will learn how to support peers through projects from initial conceptualization through final execution. Course expectations include daily reading responses, reflective writing, participation in mock tutoring sessions, and written and practice-based exams. The course is required for all new Digital, Written and Oral Communication Studio consultants. Prerequisites: Successful completion of competitive interview process. 2 Semester Hours.

Interdisciplinary and Liberal Studies

IDS 100 Exploring Majors and Minors
If you want to take some time to learn more about different kinds of college classes, minors, and majors, this class will help you intentionally explore what Mount Union has to offer. You will hear from and talk with professors and students from different areas on campus to explore what's available at UMU and what you might be interested in pursuing. Students taking this course are encouraged to take IDS 110: Quest for a Purposeful Life in the following 8-week session. Prerequisites: None. 2 Semester Hours.

IDS 110 The Quest for a Purposeful Life
This course engages students in questions of purpose, meaning, and engagement with the local, national, and global communities they inhabit. Through scholarly readings on vocation and purpose, structured reflection, and experiential learning, students will explore vocation from both philosophical and practical perspectives. The course assists students in shaping their university education in service to their careers, personal lives, and civic engagement beyond Mount Union. 2 Semester Hours.

IDS 120 Careers for Arts and Humanities
In this class, students will work to discover and research the kinds of careers and professional occupations available to those pursuing lives in the arts and humanities. Students will also develop awareness of the skills and abilities developed and to be developed for these careers in UMU courses in Africana studies, art, communication, English, gender and sexuality, interdisciplinary studies, media, music, peacebuilding and social justice, philosophy, religious studies, theatre, world languages and cultures, and writing. Any student is welcome to take this class, regardless of class status or major. 2 Semester Hours.

IDS 200H Why Forgive?
In the wake of the terror attacks of September 11, 2001, school bullying, wars, and heated political arguments the question, "Why forgive?" has taken on new importance in the twenty-first century. This course explores the concept of forgiveness and the second-level questions raised by the plethora of answers to the question from the viewpoint of several religions, music, literature, poetry, and film. 4 Semester Hours.

IDS 275 Interdisciplinary Modes of Inquiry
This course is an experience-based exploration of interdisciplinary research methods which may be taken for either 2 or 4 credit hours. In this course students will consider the definition of "interdisciplinarity" and the role of the disciplines in interdisciplinary studies and research. Students will become familiar with a number of research methodologies ranging from oral and/or visual experience and discourses, narrative or cultural production and consumption, qualitative and quantitative assessment, the ethics of research, and various modes of memory and history. Students will develop and apply their own interdisciplinary approaches to critical thinking, writing, and oral communication. Students taking the course for the 2-credit option will develop a research proposal with substantive bibliography while those taking the course for the 4-credit option will complete a research project, produce and present an essay (or other appropriate artifact, such as a poster presentation), culminating in a new interdisciplinary understanding of their chosen problem, issue, or question. Prerequisite: sophomore standing. 2 or 4 Semester Hours.

IDS 300V Building Community, Building Peace
In this interdisciplinary exploration of community, we begin with a foundational understanding of inclusive community and its role in authentic peace-building. This approach is grounded in the vision and writings of Orville Hartshorn, the founder of Mount Union in 1846, who sought to create "a college for the masses" that was "equally attainable" for all students and which included educating women and African-Americans long before many other institutions were doing so. The course explores theoretical and practical perspectives on community from various cultural, historical, and disciplinary perspectives, and students will engage in the practice of building community in the classroom beyond what they have likely experienced in previous classes. Throughout the course, students will reflect on their own experiences of authentic community and consider their capacities as "responsible citizens" who can help to build community and peace in their families, neighborhoods, and workplaces. The course also involves a significant service and/or community engagement activity that intentionally attempts to bridge divides between different populations and perspectives. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

IDS 350 Social Responsibility
This is an experientially-based course that looks at what it means to operate in a socially responsible manner in today's world. It is assumed that service and other forms of helping behavior can be a significant component of social responsibility and so the class discusses service extensively and provides both local and international opportunities for service. One of these service components involves a week-long Spring Break service project in a developing country. In addition to service, the course examines such concepts as sustainability (environmental, economic and social), responsible consumer behavior, economic fairness and social justice. By examining these issues and participating in the service projects, it is hoped that students emerge committed to living in

a more socially responsible way. Enrollment by permission of the instructor only. Course offered only in Spring Semester. Application for Course in Fall Semester. 4 Semester Hours.

Japanese

JPN 101 Elementary Japanese I
The first of two elementary-level courses intended to help students develop communicative as well as intercultural competence in Japanese. JPN 101 is intended for students with no prior knowledge of Japanese, or those who have had 2 years or less of high school Japanese. Prerequisite: none. 4 Semester Hours.

JPN 102 Elementary Japanese II
The second of two elementary-level courses intended to help students develop communicative as well as intercultural competence in Japanese. Successful completion of this course satisfies the World Language Proficiency requirement. Prerequisite: While there is no specific prerequisite for this course, a basic knowledge of first-semester Japanese or 2 or more years of high school Japanese is highly recommended. 4 Semester Hours.

JPN 201 Japanese Conversation
An intermediate-level course designed to develop speaking, listening, reading, and writing skills in Japanese, plus a general review of Japanese culture. This course will emphasize enhancement of the spoken language competencies in Japanese. 4 Semester Hours.

JPN 202 Japanese Composition
The second intermediate-level course for enhancing Japanese language skills. This course will focus on further developing reading and writing competencies in Japanese. 4 Semester Hours.

JPN 203 Japanese through Popular Culture
An intermediate-level course designed to develop listening, speaking, reading, writing, and cultural awareness skills via Japanese popular media including animation, manga (comics), and music. 4 Semester Hours.

JPN 204G Japanese through Film
An intermediate-level course focusing on language, current events, and culture using feature-length films from Japan. All films viewed are in Japanese with English subtitles. Speaking, listening, and writing skills are reinforced. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

JPN 210 Travel Seminar
In this course students will participate in a faculty-led trip to Japan. 1-4 Semester Hours.

JPN 220 Reading in Japanese
A course designed to improve reading skills with a focus on kanji. Course graded S/U only. 1 Semester Hour.

JPN 235H The Peoples and Cultures of Contemporary Japan
A study of Japan with an emphasis on social, political, economic, and cultural trends from 1945 to the present . Students will examine issues relevant to the Japanese people and to Japanese society from both American and Japanese viewpoints. Course readings and all class discussions are in English. 4 Semester Hours.

JPN 290 Japanese Conversation and Composition Practicum
A course designed to help students enhance their Japanese speaking and writing skills through individualized instruction. Course graded S/U only. 1-2 Semester Hours.

JPN 301 Advanced Japanese Language and Culture
An intensive course designed to enhance speaking, listening, reading, writing, and cultural awareness skills at the advanced level. Prerequisite: JPN 202 or equivalent as determined by the instructor. 4 Semester Hours.

JPN 302G A Cultural Study of Japan
A cultural survey of Japan, focusing on its political, economic, historical, and social developments and traditional arts. Prerequisite: JPN 301 or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

JPN 303 Advanced Readings in Japanese
An advanced-level course in which students read texts in the target language on current issues of culture and society in Japan. Prerequisite: JPN 301 or permission of the instructor. 4 Semester Hours.

JPN 304 Japanese for the Professions
A course designed to improve the practical use of Japanese in professional environments, including business, education, and engineering. Prerequisite: JPN 301 or permission of the instructor. 2 Semester Hours.

JPN 305 Japanese Translation
A study, analysis, and practicum of the techniques of translating technical, literary texts, as well as manga (comics) from Japanese to English. Students will explore the use of software and the Internet for translation purposes. Prerequisite: JPN 301 or permission of the instructor. 2-4 Semester Hours.

JPN 350 Internship
This course provides an experiential learning activity designed to provide students with opportunities to connect language learning in an academic setting with the requirements of a professional work environment. Internships provide students with relevant work experience and professional networking opportunities. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor. 1-4 Semester Hours.

JPN 385 Methods of Teaching Japanese
A practical and theoretical methodology course which emphasizes lesson planning, writing instructional objectives, assessment, curriculum design, and a study of methodologies and materials relevant to the teaching of Japanese in the elementary, middle, and secondary schools. The course emphasizes the core guidelines of the American Council on the Teaching of World Languages and relates instructional planning to Ohio's Model for a Competency-Based Program in World Languages. This course must be taken prior to or concurrently with Multiage Student Teaching and JPN 386. This course does not count toward the requirements of the major or minor in Japanese. Prerequisites: Successful completion of one 300-level course in Japanese and permission of the instructor. 4 Semester Hours.

JPN 386 Practicum in the Teaching of Japanese
A practicum designed to put into immediate practice theories and strategies discussed in JPN 385. The student will serve as a teaching assistant in an elementary or intermediate course in Japanese in the Department of World Languages and Cultures. It is recommended that this course be taken concurrently with JPN 385. This course does not count toward the requirements for the major or minor in Japanese. Prerequisites: Successful completion of one or more 300-level courses in Japanese and permission of the instructor. 2 Semester Hours.

JPN 387 Teaching Japanese in the Elementary School
This course is a practicum designed to make available to the teacher candidate in Japanese a practical field experience at the elementary school level. Under the direct supervision of world language faculty, the teacher candidate will participate in a FLES program at a local elementary school for one semester. It is recommended that this course be taken concurrently with JPN 385. This course does not count toward the requirements for the major or minor in Japanese. Prerequisite: Permission of the instructor. 1 Semester Hour.

JPN 401 Advanced Special Topics
Topics may vary. May be repeated for credit. Consent of the instructor required. Prerequisite: One course at the 300 level or permission of the instructor. 4 Semester Hours.

JPN 485 Teaching Assistant Practicum – Japanese
Intended for Japanese-language teaching assistants only. This course may be repeated for additional credit. 6 Semester Hours.

Leadership Studies

LDR 175 Introduction to Leadership for Life
This introductory course investigates leadership philosophy, various styles of leadership, and models of leadership that allow the student to implement and practice positive leadership skills immediately. Students will study the various competencies that great leaders possess and implement them in their everyday associations. Open to all students. 2 Semester Hours.

LDR 275 Leadership Dynamics: Influence & Impact
This course includes material on theories of leadership, the environmental impact on leadership, and most importantly, leadership practice with smaller projects and/or internships on-or off-campus that will require the use of the leadership skills and competencies learned to include an emphasis on reflection. This course provides students with a complete look at the theoretical and practical

leadership dimensions, particularly those revolving around working with others. The course uses interactive class discussion and activities to aid students in a better understanding of their own leadership and working with others. Upon completion, students will be grounded in fundamental leadership styles, theories, and principles and are better prepared to apply these principles in a wide variety of life experiences. Prerequisite: LDR 175 or permission of instructor. 4 Semester Hours.

LDR 350 Implementing Leadership Skills and Competencies
This course is 60% experiential and 40% classroom. Students will engage in leadership projects/positions (either on-campus or off-campus) in approved rigorous leadership learning experiences. Working with the faculty member and a site supervisor, the student will reflect on the experience through the lenses of the previous leadership courses. Through hands-on engagement in the form of service to others, as well as thoughtful reflection, it is the aim of this course to prepare student leaders to recognize that service to others is worth far more than a check or the total number of community service hours accumulated. Pre-requisite: Completion of LDR 275 or permission of instructor. 4 Semester Hours.

Library Science

LIB 100 Library Research Methods
Do you struggle finding appropriate sources for your papers and presentations? Aimed at the novice researcher, this course will teach you the research skills critical to college success. By the end of the course, you will be able to more effectively locate, evaluate, and integrate sources into your projects and approach your future work with skill and confidence. 2 Semester Hours.

Management

MGT 200 Management Principles
Introduction to the basic principles, policies and methods employed in the management of business enterprises and not-for-profit organizations. Provides a foundational understanding of the managerial functions of planning, organizing, leading and controlling from the viewpoint and needs of the professional manager. It will also cover the impact of technology on management activities and it will also include an overview of ethical issues that managers will face in contemporary business environments. An international perspective towards business and management will be incorporated in the course. Prerequisite: BUS 100 or SPB 100 or permission of the instructor. 4 Semester Hours.

MGT 299 Special Topics in Management
See All-University 299 course description.

MGT 341 Operations and Supply Chain Management
This course provides an in-depth exploration of operations management and supply chain strategies, focusing on optimizing business processes, resource allocation, and logistics. Students will learn key concepts such as process improvement, inventory management, demand forecasting, and supply chain sustainability. Through case studies and analytical tools, they will develop problem-solving skills to enhance efficiency and competitiveness in global markets. Prerequisites: MGT 200, ACC 205, and MTH 123. 4 Semester Hours.

MGT 356 Human Resource Management
This course is designed to provide an introductory overview of human resource management as a business function for the future human resource manager and also provide future business managers with an understanding of managerial activities such as: acquiring, developing, evaluating, disciplining and maintaining a qualified workforce in ways that contribute to organizations effectiveness. Prerequisite: MGT 200. 4 Semester Hours.

MGT 399 Special Topics in Management
See All-University 399 course description.

MGT 380 Employment Law
This course will help students to understand the basic framework of employment law in the United States. The course will analyze major issues in employment law, including laws protecting employees from discrimination and wrongful termination. Additionally, students will explore topics in U.S. employment laws such as family leave, wage and hour laws, workers' compensation, immigration, safety and health, and other current developments. Whenever relevant, students will consider covered topics within the context of the global business environment. Prerequisite: BUS 130, MGT 200, MGT 356. 2 Semester Hours.

MGT 390 Systems and Sustainability in Business
This course provides students with an advanced perspective on the effective planning and implementation of sustainability practices into business strategy. Students will critically evaluate ideas, insights, and methods from a systems-oriented perspective by understanding the relationships among social, environmental, and economic issues relating to business. Then acting as consultants, students will provide recommendations on ways to embed sustainability into local organizations. Prerequisites: MGT 200. 2 Semester Hours.

MGT 410 Management Across Cultures
This course explores the influence of cultural differences on international business and management, incorporating key principles of organizational behavior. Emphasis is placed on developing skills to foster effective cross-cultural relationships, enhance collaboration, and drive organizational success in a global context. Topics include the nature and dimensions of culture, cross-cultural problem-solving, and the dynamics of multicultural teams. Additionally, the course examines leadership across cultures, cross-cultural negotiations, and the impact of culture on managerial decision-making, including ethical and social responsibility considerations. By integrating organizational behavior concepts, students will gain insights into how cultural diversity shapes workplace interactions, motivation, communication, and overall organizational effectiveness. Prerequisites: MGT 200, MKT 220, 4 Semester Hours.

MGT 425 Strategic Planning, Policy, and Control
This course provides an in-depth understanding and application of strategic decision-making involving policy and planning, policy, organizational design, organizational objectives and control techniques used in a competitive business environment. Topics include strategic planning, leadership, competitive advantage, industry analysis, and issues arising from international activities. The application of concepts is integrated into an online business simulation. This course has been designated as the Senior Culminating Experience for individuals majoring in management. Prerequisites: MKT 220, MGT 341, and FIN 320. 4 Semester Hours.

MGT 481 Seminar in Family and Small Business
This seminar is designed to focus on the management of small businesses with particular focus on the family run enterprise. A strong emphasis will be placed on entrepreneurial opportunities necessary for the successful operating of small business firms as well as effective management strategies for sustaining a family business. Prerequisites: BUS 100 and Junior standing. 2 Semester Hours.

MGT 490 Staffing and Compensation
The first half of this course focuses on the acquisition, deployment and retention of an organization's workforce. Strategic, technological, practical, and legal issues confronting staffing systems will be examined. The second half of this course will focus on compensation strategies and systems, employee benefits, wage and salary administration as well as government regulations. Decisions relating to executive compensation will also be addressed. Prerequisite: MGT 200 and MGT 356. 4 Semester Hours.

MGT 494 Honors Thesis/Project
See All-University course description.

MGT 495 Project Management
This course is designed to introduce students to project management techniques for coordination, implementation and control of complex projects. Topics include project definition and plan development, estimating, risk management, resource considerations, progress and performance measurement, human resource considerations. Project Management software will be used for much of the course work. Prerequisite: EGE 120 or MGT 200 or permission of the instructor. 2 Semester Hours.

MGT 499 Internship in Management
An experience based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Graded S/U. 2-6 Semester Hours.

Marketing

MKT 220 Marketing Principles
This course provides an introduction to marketing theory and its application by examining marketing decisions involving pricing, product and service offerings, distribution, and promotion. Also examined are the respective roles of market research and consumer behavior as they relate to marketing management. Prerequisite: BUS 100 or SPB 100 or permission of the instructor. 4 Semester Hours.

MKT 299 Special Topics in Marketing
See All-University 299 course description.

MKT 370 Consumer Behavior
The course focuses on consumer decision-making behavior; examining how individuals and organizations search for, evaluate, purchase and use products and/or services. Also considered are social and psychological factors, environmental variables and personal differences that affect consumer behavior. Prerequisite: MKT 220.4 Semester Hours.

MKT 371 Integrated Marketing Communications
The course focuses on the various elements of the promotional mix (personal selling, promotion, public relations and advertising). Also considered is the overall role of promotion in the development of an effective marketing strategy. Prerequisite: MKT 220. 4 Semester Hours.

MKT 372 Marketing Research
The course focuses on the collection, analysis and presentation of secondary and primary information used to make marketing decisions. Both qualitative and quantitative research methods are examined and applied. Prerequisite: MKT 220. 4 Semester Hours.

MKT 395 Digital Marketing
This course focuses on the theoretical understanding of the internet marketplace necessary to adapt to its many changes, while also equipping students with the skills they will need to perform vital daily marketing functions. By the end of the course, students will be able to walk into any company with an online presence and improve their use of the internet. Among topics addressed will be search engine optimization, social media marketing, web analytics, email marketing, and online reputation management. Prerequisite: MKT 220. Typically offered in the Spring semester. 2 Semester Hours.

MKT 396 Selling and Sales Management
The course focuses primarily on the role of personal selling and sales management as part of an organization's overall promotional mix. The importance of relationship marketing is emphasized. Prerequisite: MKT 220. 2 Semester Hours.

MKT 399 Special Topics in Marketing
See All-University 399 course description.

MKT 474 Marketing Policies and Strategies
This course is designed as a capstone course in marketing. It will deal with marketing policies and strategies with particular emphasis on decision-making. This course has been designated as the Senior Culminating Experience for individuals majoring in marketing. Prerequisite: MKT 372. 2 Semester Hours.

MKT 494 Honors Thesis/Project
See All-University course description.

MKT 499 Internship in Marketing
An experience based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The exact location, program and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Graded S/U. 1-16 Semester Hours.

Mathematics

MTH 100 Intermediate Algebra
A study of the real number system, linear equations and inequalities, and systems of linear equations and inequalities intended to better prepare the student for higher levels of mathematics. May not be taken after credit is granted for MTH 105 or above except for change of grade. 2 Semester Hours.

MTH 105 College Algebra
A study of exponents and polynomials, factoring, rational expressions, and quadratic equations intended to better prepare the student for higher levels of mathematics. May not be taken after credit is granted for MTH 140 or above except for change of grade. Prerequisite: MTH 100 with a grade of C- or higher, or satisfactory math placement. 2 Semester Hours.

MTH 119 Quantitative Literacy
This course will provide and enhance student skills in quantitative methods, reasoning, and problem solving. Topics included are from an array of real-world applicable mathematics including data analysis, probability, financial literacy, voting theory, and graph theory. Students are expected to learn and use basic methods of computation as well as be able to draw conclusions and interpret their results. 3 Semester Hours.

MTH 123 Elementary Statistics
A study of measures useful in giving concise descriptions of numerical data. A brief study of probability theory provides the basis for an introduction to methods of testing hypotheses and measuring the confidence with which conclusions may be drawn by sampling. Applications in various fields will be explored. Prerequisite: MTH 100 with a grade of C- or higher, or satisfactory math placement. 3 Semester Hours.

MTH 125 Elementary Discrete Mathematics
An introduction to discrete mathematics. Topics include logic and proof, sequences and sets, elementary probability, functions, mathematical induction, recurrence relations, graphs and trees, and matrix manipulation. Prerequisite: MTH 105 with a grade of C- or higher, or satisfactory math placement. 3 Semester Hours.

MTH 140 Precalculus Mathematics
A study of topics needed to prepare a student for calculus including polynomial, exponential, and logarithmic functions, graphs, quadratic equations and inequalities, and selected topics from analytic geometry and trigonometry. May not be taken after credit is granted for MTH 141 except for change of grade. Prerequisite: MTH 105 with a grade of C- or higher, or satisfactory math placement. 4 Semester Hours.

MTH 141 Calculus I
A study of limits, continuity, differentiation, and an introduction to the indefinite and definite integrals. Includes applications to optimization problems, related rates and the Fundamental Theorem of Calculus. May not be taken after credit is granted for MTH 142 except for change of grade. Prerequisites: MTH 140 with a grade of C- or higher or satisfactory math placement for MTH 141. 4 Semester Hours.

MTH 142 Calculus II
A continued study of techniques and applications of integration and study of the calculus of infinite series, polar coordinates and parametric equations. Also includes an introduction to differential equations. Prerequisite: MTH 141 with a grade of C- or higher. 4 Semester Hours.

MTH 205 Introduction to Probability and Statistics for Engineering
This course provides an introduction to the use of probability and statistics in engineering. Topics include descriptive statistics, simple regression, probability, continuous probability distributions, point estimation, confidence intervals, hypothesis tests, and risk assessment. Prerequisite: MTH 142. 2 Semester Hours.

MTH 222 History of Mathematics
A study of the history of mathematics from antiquity through the present time. Contributions by various individuals and cultures will be examined. Both European and non-European mathematical developments will be explored, with an emphasis on the interrelationship between mathematics and the culture of the time. Prerequisite: MTH 141. 3 Semester Hours.

MTH 223 Intermediate Statistics
This second course in statistics will emphasize statistical computation and applications in various fields, modeling, and visualization for real data sets. Topics include multiple regression with diagnostics, one-way and multi-way analysis of variance, and analysis of categorical data. Prerequisites: MTH 123 or permission of instructor for students who have had exposure to statistical hypothesis testing. 3 Semester Hours.

MTH 235 Topics in Linear Algebra
An intensive exploration of topics in linear algebra that are pertinent to students in STEM. Topics include matrix operations, matrix inverses, determinants, and eigenvalues. Prerequisite: MTH 140. Cannot be taken after credit has been earned in MTH 322. 1 Semester Hour.

MTH 241 Calculus III
A study of vectors and vector analysis, functions of two or more variables, partial derivatives, multiple integrals, line and surface integrals, and Green's Theorem. Prerequisite: MTH 142 with a grade of C- or better. 4 Semester Hours.

MTH 300 College Geometry
A study of Euclidean geometry that uses the axiomatic approach. Prerequisite: MTH 141. 3 Semester Hours.

MTH 301 Introduction of Advanced Mathematics and Number Theory
A study of selected topics intended to introduce the student to abstract mathematics. Topics include the language of sets and functions and methods of proof, as well as selected topics from number theory including the Euclidean Algorithm and congruences. Prerequisite: MTH 142. 3 Semester Hours.

MTH 322 Linear Algebra
An introduction to the principal ideas and methods in linear algebra: systems of linear equations, matrices and determinants, finite-dimensional vector spaces, linear transformations, eigenvalues and eigenvectors, and applications. Prerequisite: MTH 142. 3 Semester Hours.

MTH 335 Differential Equations
A study of the theory and techniques of the solution of ordinary differential equations with applications in the sciences. Topics will include separable, first-order linear, exact and homogeneous equations. Methods will include the use of integrating factors, the method of undetermined coefficients, variation of parameters, and Laplace Transforms. Prerequisite: MTH 142 with a C- or better. 3 Semester Hours.

MTH 362 Discrete Mathematics and Combinatorics
A study of the basic elements and history of discrete mathematics such as graph theory, recurrence relations, linear programming, and combinatorics. Prerequisite: MTH 141. 3 Semester Hours.

MTH 401 Topics in Pure Mathematics
The content of this course will come from the general areas of algebra, topology, real and complex analysis, or number theory. This course can be repeated for additional credit hours. Prerequisite: Dependent on topic. 3 Semester Hours.

MTH 405 Mathematical Statistics I
An introduction to statistics making use of calculus. Topics include historical developments of statistics, probability theory, discrete random variables, and continuous random variables. Prerequisites: MTH 123 and MTH 142. 3 Semester Hours.

MTH 406 Mathematical Statistics II
A continuation of MTH 405. Topics include multivariate probability distributions, functions of random variables, sampling theory, estimation, hypothesis testing, linear models, and ANOVA. Prerequisite: MTH 241 and MTH 405. 3 Semester Hours.

MTH 411 Abstract Algebra
A study of the basic properties of groups and rings. The axiomatic approach is emphasized. Prerequisites: MTH 301. 3 Semester Hours.

MTH 441 Advanced Calculus
This course provides a rigorous in-depth study of the fundamental tools and history of calculus including the formal definitions and theorems of limits, sequences and series of real numbers, topology of the real line, the derivative, sequence of series of functions, and the Riemann integral. Writing mathematical proofs will be emphasized. Prerequisite: MTH 301. 3 Semester Hours.

MTH 460 Senior Culminating Experience
This will be completed through a department approved experience during a student's junior or senior year. Some experiences that will be considered include internship, study abroad, service learning, conference attendance and/or presentation, Scholar Day presentation, or research project. The student will also be required to complete the Mathematics Portfolio. The course will be graded S/U. Prerequisite: Mathematics Major with less than two years remaining before graduation, and approval of the Department. 0 Semester Hours.

Media

MDA 102 Professional Presentation Essentials
Throughout our careers and lives, we are presented with many situations in which we need effective and ethical oral communication skills -- from delivering formal presentations to leading a team meeting to narrating video content. In this course, students will learn to assess audience needs, research and plan content, use visual aids effectively, and deliver presentations for a variety of settings and purposes. 2 Semester Hours.

MDA 132 Introduction to Media & Culture
The media play significant roles in our lives. We learn about other countries and cultures from books, movies, newspapers, TV shows, and the vast array of content available on the Web. We may even come to know ourselves -- to form our own identities --

through interaction with mediated cultural content. It is essential, then, that we understand the roles media play in our lives. We will explore patterns and meanings in media content, and interrogate the critical interactions between digital media technologies, people, and cultures. In the end, we will become more media literate. 2 Semester Hours.

MDA 136 Digital Gaming Through the 21st Century
This class introduces students to a brief history of the development of digitally enhanced gaming beginning at the end of the 19th century through the 21st century. Students will become familiar with the concepts and structures surrounding gamification and its integration into everyday life through video games, apps, and other internet technology. 2 Semester Hours.

MDA 140 Broadcast Studio Operations
An introduction to the functions, operations, and equipment found in a radio studio. FCC Rules and regulations are emphasized. Required of all majors and students wishing to be on the staff of WRMU. 1 Semester Hour.

MDA 146 Interactive Broadcast Production
In this course students will learn to identify the technology, software, laws, and skills required to produce a stream or broadcast. The students will then apply their knowledge and organize different aspects of a stream. Students will create, and produce, their own live broadcast stream as the course's final project. Prerequisite: MDA 136 (may be taken concurrently). 2 Semester Hours.

MDA 150 Digital Storytelling 1
An introductory course in the basic theories, principles, and practices of multimedia. This course focuses on story structure, script writing, and the pre-production process of developing multimedia-based projects. Topics include narrative and feature storytelling through the three-act structure, hero's journey, and other narrative storytelling techniques. The second half of this course introduces students to the pre-production process needed to prepare for and plan multimedia projects. Students write, produce, and screen a short film, commercial, or promotional video in front of a live audience. 4 Semester Hours.

MDA 155 Sports Media Foundations
This introductory course will provide students with a broad understanding of the sports media industry, including its history, key figures, and the various roles within the field. Students will explore how sports media functions in different contexts, including broadcast production, digital content creation, sport communication, fan engagement and event coverage. This course is essential for any student entering the field, providing foundational knowledge on how media interacts with sports and its cultural significance. Prerequisite: None. 4 Semester Hours.

MDA 199 Special Topics
See All-university course description.

MDA 231 Applied Media Research
This course focuses on the interaction between current and traditional mass media theory and research along with the analysis and interpretation of original and proprietary research, complex data sets, and audience analysis and ethnography. Journalistic, narrative and feature storytelling will be explored through the development and production of several research-based projects. Prerequisite: COM130S, may be taken concurrently, or permission of instructor. Prerequisite: MDA 132, may be taken concurrently, or permission of instructor. 4 Semester Hours.

MDA 236 Sport Media Production
Building on the foundation course, MDA 236 will dive deeper into the technical and creative aspects of sports media production. Students will gain hands-on experience in areas such as video production, live broadcasting, and content creation, skills that are critical for sports media professionals. This course ties directly into the increasing demand for high-quality visual and digital content in sport journalism and broadcasting. It will also serve as one of the foundation courses for practicums and work-study with Mount Union's various academic teams as well as WRMU and Raider Student Media, eventually leading to internship opportunities with other professional organizations. Prerequisite: MDA 155. 4 Semester Hours.

MDA 254 Content Creation for Social Media
Learn how to make content that connects. Students explore what makes posts, reels, and stories stand out across today's most popular platforms. Working with video, photography, audio, and graphics, they plan, produce, and publish short-form media while analyzing trends, audiences, and impact. The course blends creativity with strategy to prepare students for real-world digital storytelling. 2 Semester Hours

MDA 256 Production Design
This research and project-based course will center on audience and story development using production design of visual information in film and video. This course teaches students how to effectively visualize complex ideas on screen. Several forms of production design will be explored including opening credit sequences, set design, pre-production design, tone, and setting. Students will

create a pre-production plan leading to the creation of a short film. Use social media to promote and share their projects with various audiences. 4 Semester Hours.

MDA 290 Media Practicum
Open to majors and minors wishing to pursue an on-campus project in media. Course work involves active participation in a performance-oriented project typically on campus. Students may count a maximum of four semester hours in any practicum toward graduation requirements. Registration for practicum hours requires completion of an application form. Graded S or U. Prerequisites: 16 hours of Visual Arts & Media Department Credit, and permission of instructor. 1-4 Semester Hours.

MDA 305 Media Travel Seminar
A faculty led trip to national or international locations for the purpose of studying a topic or even firsthand from a media perspective. Students are expected to attend orientation sessions, complete required readings, and develop a research proposal before the trip. During the trip students will keep a journal and collect data for their project which is to be completed upon return. Prerequisites: permission of instructor. 1-4 Semester Hours.

MDA 325 Digital Photography & Visual Storytelling
This course introduces the creative and technical principles of digital photography as a tool for visual storytelling. Students learn camera operation, exposure, lighting, and composition while exploring how images communicate meaning and emotion. Through hands-on assignments and critiques, students develop the ability to plan, capture, and edit photographs that tell compelling stories across multiple media platforms. 2 Semester Hours.

MDA 335 Digital Media, Law and Policy
The media we interact with every day — what content is available, how they work, the type of access we have, how much they cost — are continually shaped by the decisions of courts, government agencies, politicians, and lobbyists. Who decides what words get bleeped on the air and which ones do not? What forces are shaping the Internet and social media? From the First Amendment to privacy in a digital age, we'll explore these questions and more as we look at the history and current developments in the way our media systems are structured, run, and governed. Prerequisite: MDA 132 or permission of instructor. 4 Semester Hours.

MDA 346 Digital Storytelling II
An intensive project-driven course offering students the opportunity to further develop their skills in writing and producing audio and video content. This will be a laboratory-based course in which students will gain advanced hands-on experience. Prerequisites: MDA 150. 4 Semester Hours.

MDA 372 Internet and Society
The purpose of this course is to explore, observe, discuss, and understand the complicated intersections between contemporary social problems and digitally mediated messages. We will use this knowledge to explore ways in which we can utilize and construct mediated communication technology to increase their inclusiveness and effectiveness. 4 Semester Hours.

MDA 397 Fan Engagement and Experience
This course explores the strategies, platforms, and practices used to engage sport fans and create memorable, loyalty-building experiences across digital and live event environments. Students will examine how professional teams, college athletic departments, and media organizations foster emotional connection through social media, in-venue entertainment, storytelling, brand identity, and community outreach. Emphasis is placed on real-world case studies, game day production, fan behavior analysis, and the role of technology in shaping the modern sport audience. Through hands-on projects and collaborative planning, students will design and evaluate fan engagement campaigns that integrate media, marketing, and experiential components. 4 Semester Hours.

MDA 399 Special Topics
See Al-University 300 course description.

MDA 400 Independent Study
The study of selected topics in media. Individual research is emphasized, and a paper or major project is required. Prerequisites: Junior or above standing. 4 Semester Hours.

MDA 403 Documentary Media Production
This course builds on concepts explored in Digital Audio and Video Production. In this advanced project-based course students will continue to hone their filmmaking skills through the production of a documentary film, which will be screened in front of an audience. This challenging production-oriented course will teach students to work in a cooperative team environment where each person fills a different role within the production team. Prerequisite: MDA 346 or permission of the instructor. 4 Semester Hours.

MDA 425 Story Lab: Digital Journalism
In this hands-on lab, students learn how to find, craft, and share true stories across digital platforms. Working individually and in teams, they create multimedia stories that combine writing, photography, audio, and video. The class focuses on digital reporting, ethical decision-making, and reaching audiences where they live—on their phones and social feeds. Final projects are published or presented to real audiences. 4 Semester Hours

MDA 430 Film Theory & Media Criticism
In this course, students will explore the rich history and artistry of film criticism, examining how it has evolved alongside traditional and emerging media in the 20th and 21st centuries. This course will delve into various film theorists and critical frameworks, allowing students to develop a comprehensive understanding of how films can be analyzed and interpreted. Through a combination of lectures, readings, and practical applications, students will engage with both classic cinema and contemporary media forms, honing their analytical skills and learning to articulate their insights effectively. By the end of the course, students will be equipped to critically assess films and emerging new media, fostering a deeper appreciation of the complexities within visual storytelling. 4 Semester Hours.

MDA 436 Online and Social Gaming Portfolio
Students will complete a capstone or internship that combines the applied skills and knowledge they have learned throughout the course of the Online and Social Gaming Minor curriculum. At the end of their capstone or internship, students will prepare a portfolio demonstrating their accomplishments and projects completed during the capstone/internship. Students will have a choice of focus within the portfolio to spend their effort in an area of gaming that is most applicable to their career field of choice. Prerequisites: MDA 136, MDA 146, MDA 236, and permission of the instructor. 2 Semester Hours.

MDA 440 Media, Money, and Moguls
This course takes a critical look at the structure and performance of the U.S. mass media within the U.S. and global political economy. Throughout the course, we will be examining the interrelationships among the political, economic, and media systems with an emphasis on media concentration and ownership. We will discuss such issues as: the structure of contemporary media governance, ownership and control of mass communications and how structure affects information and entertainment programming; the rise and role of advertising in media systems; the economic structure and organization of entertainment media; and the political economy of democratic communications. Because our entire lives are essentially mediated to some degree, we will also be making connections to other political, economic, and social issues facing our society with a focus on how the concentrated global media industry plays a mitigating factor in 21st century change. 4 Semester Hours.

MDA 446 Creative Visual Storytelling
This course introduces students to digital filmmaking and provides a basic understanding of how films are made. Student will learn composition, lighting, sound, and editing to tell a story. It centers on the basic language of filmmaking, scriptwriting, preproduction, production, and postproduction along with the use of social media to raise funds and promote film projects. This course culminates in a final film project, which will be screened in front of an audience. This challenging production-oriented course will teach students to work in a cooperative team environment where each person helps others make their film. Due to the collaborative nature of this course, this course is an excellent elective for theater/acting majors and creative writing English majors. Prerequisite: MDA 150 and MDA 346 or permission of instructor. 4 Semester Hours.

MDA 470 Sport Media Research and Analysis
This capstone course will allow students to apply their theoretical knowledge through research projects that analyze sports media trends, audience behavior, and the impact of media coverage on sports. It will prepare students for careers where data-driven insights are vital, such as in sports marketing, content strategy, or media analysis roles. Prerequisites: MDA 155, MDA 236, MDA 254. 4 Semester Hours.

MDA 483 Global Media
Comparison and critique of national approaches to media and their social and political impact on cultures. 4 Semester Hours.

MDA 499 Internship in Media
An opportunity for a significant experiential learning experience outside of the classroom. Admission to the internship program is through a formal application and approval process. A student's academic record and active participation in the media activities of the department are major criteria for admittance into the program. Consult with for details. Prerequisites: junior or senior standing and approval of the department faculty. Graded S or U. 1-4 Semester Hours.

Military Science Leadership (ROTC)

MSL 180 Introduction to Leadership I
Introduces the student to the concept of leadership in the military and in democratic society in general. Examines leadership characteristics, principles and styles. Students must participate in outdoor character-building exercises. Corequisite: MSL 190. 1 Semester Hour.

MSL 185 Introduction to Leadership II
Introduces the student to techniques and methods that leaders must employ. Examines time management, stress management, staff/group dynamics, problem-solving process and leadership climate. Corequisite: MSL 190. 1 Semester Hour.

MSL 190 Leadership Seminar I
Instructional program preparing individuals to undertake the broad range of tasks associated with the dimensions of leadership. Stresses decision-making roles of leaders in planning and executing organizational programs. S/U graded. Corequisite: MSL 180 fall, MSL 185 spring. 0 Semester Hours.

MSL 280 Leadership Assessment I
Interdisciplinary study of organizational leadership and group dynamics through assessment of 16 behavioral dimensions. Provides practical application and assessment of leadership skills in formal organizations. Corequisite: MSL 290. 2 Semester Hours.

MSL 285 Leadership Assessment II
Interdisciplinary study of organizational leadership and group dynamics through assessment of 16 behavioral dimensions. Provides practical application and assessment of leadership skills in formal organizations. Corequisite: MSL 290. 2 Semester Hours.

MSL 290 Leadership Seminar II
Instructional program preparing individuals to undertake the broad range of tasks associated with the dimensions of leadership. Stresses decision-making roles of leaders in planning and executing organizational programs. Corequisite: MSL 280 fall, MSL 285 spring. 0 Semester Hours.

MSL 360 Leadership Development
Develops managerial skills with emphasis on group dynamics, leadership theory and practical leadership experiences. Integrates communication skills, decision making and group motivation. Corequisite: MSL 390. 2 Semester Hours.

MSL 370 Organizational Leadership
Application of management fundamentals, decision theory and leadership principles to organizations. Emphasis in coordinating, directing and controlling organizations. Corequisite: MSL 390. 2 Semester Hours.

MSL 390 Leadership Seminar III
Instructional program preparing individual to undertake the broad range of tasks associated with the dimensions of leadership. Stresses decision-making roles of leaders in planning and executing organizational programs. Corequisite: MSL 360 fall, MSL 370 spring. 1 Semester Hour.

MSL 460 Military Management and Ethics
Professional ethics and responsibilities of military leaders. Development of interpersonal and managerial communicative skills. Corequisite: MSL 490. 2 Semester Hours.

MSL 470 The Professional Military Officer, Management and Law
Studies in professional officer development, the military justice system and the management of personnel resources. Corequisite: MSL 490. 2 Semester Hours.

MSL 490 Leadership Seminar IV
Instructional program preparing individuals to undertake the broad range of tasks associated with the dimensions of leadership. Stresses decision-making roles of leaders in planning and executing organizational programs. Corequisite: MSL 460 fall, MSL 470 spring. 1 Semester Hour.

Music

MUS 101 Vocal Techniques
A course in which students will explore the fundamentals of voice production and principles of diction for singers. Emphasis is placed upon application of the principles to individual and group voice instruction and provides future music educators with tools and resources to aid teaching in school choral settings. Musicianship topics will include solfege-based sight-singing, rhythmic production, and ear training. 1 Semester Hour.

MUS 110 Music Theory I
A study of the fundamentals of music, diatonic harmony, and basic musical structures. The course aims to develops skills in common-practice part writing, improvisation, the use of music notation software, composition and analysis, and is preparation for intermediate and advanced work in music theory. Offered fall semester. 3 Semester Hours.

MUS 112 Music Theory II
The continued study of diatonic harmonic and musical structure and beginning work in chromatic harmony. The course aims to develop skills in common-practice part writing, improvisation, composition and analysis, and the use of music notation software in the study of form, non-harmonic tones, triads and seventh chords in inversions, harmonic sequences, secondary dominant function, and modulation. Prerequisite: MUS 110. Offered spring semester. 3 Semester Hours.

MUS 113 Musicianship Skills I
An introductory course in sight-singing and melodic and harmonic perception. The course aims to develop skills in identifying, notating, and performing scales, intervals, rhythms, melodies, and harmonies, and in improvisation. Both in-class singing, and identification/dictation and computer-assisted instruction are used. Offered fall semester. Prerequisite: MU 111 or passage of musicianship entrance exam. 2 Semester Hours.

MUS 141 Brass Instruments
A course designed to acquaint the student with performance techniques, teaching methods, literature, and maintenance of brass instruments. Offered spring semester. 1 Semester Hour.

MUS 143 Piano Class I
An introductory course in piano technique. The course seeks to begin to develop skills necessary for successful completion of the piano proficiency examination. Emphasis will be placed on rudimentary sight-reading, improvisation, scales, arpeggios, and harmonic progressions. Music majors (B.A. and B.M.) successfully completing the piano proficiency examination after completing this course may be exempted by the department from the remaining courses (MUS 144, MUS 243, and MUS 244) in the piano class sequence. Offered fall semester. 1 Semester Hour.

MUS 144 Piano Class II
An introductory course in piano technique that builds on skills developed in Piano Class I. The course seeks to begin to develop skills necessary for successful completion of the piano proficiency examination. Emphasis will be placed on rudimentary sight-reading, improvisation, scales, arpeggios, and harmonic progressions. Music majors (B.A. and B.M.) successfully completing the piano proficiency examination after completing this course may be exempted by the department from the remaining courses (MUS 243 and MUS 244) in the piano class sequence. Prerequisite: MUS 143. Offered in the spring semester. 1 Semester Hour.

MUS 150 Introduction to Music Education
A survey of the music education profession and the total music program in various school settings. Historical, sociological, and philosophical foundations of American music education will be considered, as well as the roles of assessment, research, curriculum, and instruction. Twenty clock hours of field experience are required through MUS-341 Practicum I. This introductory course is designed for the prospective teacher in music education and serves as the beginning course in the professional sequence for multiage music teacher candidates. 4 Semester Hours.

MUS 200A Music, the Arts and Culture
The study of the basic elements, forms, stylistic traditions, social functions, and standard literature of vernacular and concert music throughout history. Music's relationships with other art forms, historical periods and movements, religion, and politics are explored, as are the processes of artistic creation and interpretation. Students will begin to develop the tools to evaluate and place into context artistic works. Attendance at concerts and other cultural events throughout the semester is required. 4 Semester Hours.

MUS 201 History and Analysis of Western Music I
A course that consists of an overview of Western music history, followed by more in-depth study of the music of the early Greek period through the Baroque period. The connectedness of music, religion, philosophy, politics, and the arts of the periods is also explored. The course also covers research techniques. Prerequisite: MUS 210. 4 Semester Hours.

MUS 202A History and Analysis of Western Music II
A study of the history and development of Western music from the Classical period through the present. The connectedness of music, religion, politics, and the arts of the periods is also explored. Prerequisites: MUS 110 and MUS 201, and be declared major in music or music education. 4 Semester Hours.

MUS 210 Music Theory III
An advanced course in chromatic harmony and the compositional and analytical systems of the twentieth century through the present. The course aims to develop skills in part writing, analysis, composition, and improvisation. Prerequisite: MUS112. Offered fall semester 3 Semester Hours.

MUS 211 Musicianship Skills II
An intermediate course in sight-singing and melodic and harmonic perception. The course aims to further enhance those skills developed in MUS 113. Prerequisites: MUS 112 and MUS 113. Offered fall semester. 2 Semester Hours.

MUS 213 Musicianship Skills III
An intermediate to advanced course in sight-singing and melodic and harmonic perception. The course aims to further enhance those skills developed in MUS 113, and MUS 211. Prerequisite: MUS 112 and MUS 211. Offered spring semester. 2 Semester Hours.

MUS 240 Stringed Instruments
A course designed to acquaint the student with performance techniques, teaching methods, literature, and maintenance of bowed stringed instruments. Co-requisite: MUS 367. Offered fall semester. 1 Semester Hour.

MUS 242 Woodwind Instruments
A course designed to acquaint the student with performance techniques, teaching methods, literature, and maintenance of woodwind instruments. Offered fall semester. 1 Semester Hour.

MUS 243 Piano Class III
An intermediate course in piano technique. The course seeks to continue to develop skills necessary for successful completion of the piano proficiency examination. Emphasis will be placed on rudimentary sight-reading, improvisation, scales, arpeggios, and harmonic progressions. Music majors (B.A. and B.M.) successfully completing the piano proficiency examination after completing this course may be exempted by the department from the remaining course (MUS 244) in the piano class sequence. Prerequisite: MUS 144. Offered fall semester. 1 Semester Hour.

MUS 244 Piano Class IV
An intermediate course in piano technique. The course seeks to continue to develop skills necessary for successful completion of the piano proficiency examination. Emphasis will be placed on rudimentary sight-reading, improvisation, scales, arpeggios, and harmonic progressions. Prerequisite: MUS 243. Offered spring semester. 1 Semester Hour.

MUS 245 Percussion Instruments
A course designed to acquaint the student with performance techniques, teaching methods, literature, and maintenance of percussion instruments. Offered spring semester. 1 Semester Hour.

MUS 250H Music in American Life
A survey of musical practices and genres of the United States of America, how these have reflected and informed groups of Americans throughout history, and how they continue to relate to the American experience today. From the music of Native Americans and the music of the colonial era to the latest in popular music styles, the course includes such diverse areas as folk, church, country, jazz, blues, concert, stage, and popular music. 4 Semester Hours.

MUS 260-270 Large Ensembles
Course designed to study the music of various composers, periods, and styles through performance. Students will have the opportunity to study the conductors as role models in such areas as rehearsal pacing, rehearsal technique, and conducting technique, an aspect of the course that may be of particular interest to B.M. in Music Education students. All performance ensembles are open through audition. Due to the evolving nature of the repertoire prepared each semester by these ensembles, these courses may be taken multiple times, but not for a "change of grade." Ensembles are not available for audit.

		Semester Hours
MUS 260	Concert Choir	1
MUS 261	Mount Union Alliance Chorale	0.5
MUS 262	Cantus	1

MUS 265	Symphony Orchestra – Woodwinds, Brass, and Percussion	0.5
MUS 266	Symphony Orchestra – Strings	1
MUS 267	Marching Band	1.5
MUS 268	Wind Ensemble	1
MUS 269	Concert Band	0.5

MUS 279 Applied Pedagogy
This course aims to develop appropriate studio teaching techniques through observation, study of pedagogical practices, and study of pedagogical literature in the student's primary performance area. Successful completion of this course enables students, upon permission of the instructor, to participate as student teachers under faculty supervision in the Preparatory Division of the Department of Music. Prerequisite: Permission of the instructor. 2 Semester Hours.

MUS 300 Special Topics in Music and Society
A variable series of courses that will be individually designed around Mount Union's Integrative Core requirement for Explorations courses. 4 Semester Hours.

MUS 310 Orchestration and Arranging
In this course, students will learn the description, ranges, and use of instruments in scoring for various instrumental ensembles, including orchestra, concert band, and marching band. Some attention may be given to arranging for choral and mixed choral/instrumental ensembles. The course includes the working out of exercises in orchestration and a major scoring project. In-class performances of scoring assignments provide for a practical laboratory experience as part of the course. Prerequisite: MUS 210, MUS 213, and completion of proficiency requirements in piano. 2 Semester Hours.

MUS 314 Music Technology for the Performing Musician
In this course students will learn through hands-on activities the basics of live and studio recording, live sound reinforcement, audio transducers, and self-promotion through digital and social media outlets. The ability to read music is not a prerequisite for this course. 4 Semester Hours.

MUS 320 Choral Conducting and Literature
This course aims to help the student develop expressive conducting through score analysis, development of rehearsal strategies, control of dynamics and tempo, and communicating with words, gestures, facial and bodily expressions. It also includes a survey of secular and sacred choral literature from the medieval to contemporary eras. The motet, mass, oratorio, madrigal, chansons, and composition in contemporary idioms are analyzed in terms of stylistic development. Prerequisite: Grade of "C" or higher in MUS 210 and MUS 213. Offered fall semester. 3 Semester Hours.

MUS 321 Instrumental Conducting and Literature
Further development of conducting techniques, principles, and skills introduced in Choral Conducting, including score reading, musical terminology, transposition, compound and non-symmetrical meters, and organizing the rehearsal. The course also includes a study of the emergence of instrumental ensembles (including orchestral, band, and jazz ensembles) and the subsequent development of literature for these ensembles. Major materials for the course include the large collection of recordings and scores available in Sturgeon Music Library. Prerequisite: MUS 210 with a grade of "C" or better and MUS 213 with a grade of "C" or better. Offered spring semester. 3 Semester Hours.

MUS 330 Music Methods: Early Childhood
The study of curricula, methods, activities, and materials for the teaching of music to all children in pre-school through fifth grade by means of field observations, demonstrations, and lectures. A field experience is required in order to complete course assignments. Field Experience – MUS 342 Practicum II is required in order to complete the 20 hours. Prerequisites: MUS 210, MUS 213, completion of the proficiency requirements in piano, successful completion of the Department's Gate B, and admission to the Teacher Education Program. 3 Semester Hours.

MUS 331 Music Methods: Middle Childhood and Adolescence to Young Adult Vocal Methods
The study of curricula, methods, activities, and materials for the teaching of vocal music, including music appreciation and music theory, to all students in the middle childhood and adolescence to young adult program areas. Field experience – MUS 344 Practicum IV is required in order to complete the 30 hours. Prerequisites: MUS 210, MUS 213, completion of the proficiency requirements in piano, successful completion of the Department's Gate B, and admission to the Teacher Education Program. 3 Semester Hours.

MUS 341 Music Education Practicum I
This course focuses on professional and ethical practices in the classroom. This practicum is designed for music teacher candidates seeking a multiage teaching license. The candidate assumes the responsibilities of completing various field-based activities such

as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. This practicum is aligned with MUS 150 and 20 hours of field experience is required. The course is graded S/U. Prerequisite: EDU 150. 1 Semester Hour.

MUS 342 Music Education Practicum II
This course focuses on professional and ethical practices in the classroom. This practicum is designed for music teacher candidates seeking a multiage teaching license. The candidate assumes the responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. This practicum is aligned with MUS 330 and 20 hours of field experience is required. The course is graded S/U. Prerequisite: EDU 150 and MUS 150. 1 Semester Hour.

MUS 343 Music Education Practicum III
This course focuses on professional and ethical practices in the classroom. This practicum is designed for music teacher candidates seeking a multiage teaching license. The candidate assumes the responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. This practicum is aligned with MUS 331 and 30 hours of field experience is required. The course is graded S/U. Prerequisite: EDU 150, MUS 150 and MUS 330. 1 Semester Hour.

MUS 344 Music Education Practicum IV
This course focuses on professional and ethical practices in the classroom. This practicum is designed for music teacher candidates seeking a multiage teaching license. The candidate assumes the responsibilities of completing various field-based activities such as assisting students and teachers in the classroom, practicing classroom management strategies, and multiple planning and teaching opportunities aligned to their courses. This practicum is aligned with MUS 430 and 30 hours of field experience is required. The course is graded S/U. Prerequisite: EDU 150, MUS 150 and MUS 330. 1 Semester Hour.

MUS 350V Hearing Heaven: Death, Dying, and the Music of Mahler
A course that explores the topics of death and the afterlife through the study the works of Gustav Mahler. Through study and analysis of Mahler's life, philosophical and religious views, music, and choice of literary texts in his works, students will debate and defend the purpose and meaning of the composer's multiple statements on death and the afterlife. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

MUS 352G World Music and Ethnographic Music Study
A survey of global music with emphasis on Native America, India, Indonesia, Japan, and Africa. A brief history of each culture is presented with an analysis of the music, including theoretical systems on which it is based, a study of the instruments and the types of notation used. The course also includes an introduction to ethnographic field research and a field research project. Prerequisites: MUS 200A or MUS 201 or MUS 202A. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

MUS 361-382 Small Ensembles
Course designed to study the music of various composers, periods, and styles through performance. Of special interest to Music Education majors, these ensembles provide a practical chamber music laboratory that emphasizes the type of coaching to be done in their future teaching careers. Prerequisite: Audition or permission of the instructor. Due to the evolving nature of repertoire prepared each semester by these ensembles, these courses may be taken multiple times, but not for a "change of grade." Ensembles are not available for audit. 0.5 Semester Hour each.

MUS 361	Accompanying
MUS 362	Master Chorale
MUS 363	Beginning Guitar Ensemble
MUS 364	Guitar Ensemble
MUS 366	Student Musical
MUS 367	String Chamber Ensemble
MUS 368	Flute Ensemble
MUS 369	Woodwind Ensemble
MUS 370	Clarinet Ensemble
MUS 371	Saxophone Ensemble
MUS 372	Woodwind Quintet
MUS 373	Trumpet Ensemble
MUS 376	Brass Quintet
MUS 377	Brass Ensemble

MUS 378	Percussion Ensemble
MUS 379	Handbell Choir
MUS 380	Jazz Band
MUS 381	Collegium Musicum
MUS 382	Raider Steel Band

MUS 406 Student Concert Attendance
All music majors and minors (Bachelor of Music with a major in Music Education, or Bachelor of Arts with a major in Music) must attend faculty and student recitals and other University music programs. A list of required recitals and other music events will be posted on the University's Department of Performing Arts web page near the beginning of each semester. It is expected that students will attend the performances of faculty, guests, and other students in their major applied area. All BM majors must attend, as an audience member, a minimum of 10 recitals per semester. All BA majors must attend, as an audience member, a minimum of 10 recitals per semester and all minors must attend 5. Recitals in which the student performs on only a small portion of the program will meet this requirement. Occasionally, the Department of Music sponsors events (lectures and workshops, for example) that count toward recital attendance credit. 0 Credits.

MUS 410 Music Technology for the Music Educator
This course provides an introduction to the application and introduction of emerging educational technologies in teaching and learning using strategies in design, selection, development, integration, assessment, and evaluation. This project-oriented class will develop computer science knowledge and competencies related to music notation software, sight singing software, marching band software, computer-assisted instruction, digital media, the internet, information processing, lab management, and computational thinking skills as they relate to music education in K-12 schools. Prerequisite: MUS 150, MUS 331 and MUS 430. 2 Semester Hours.

MUS 430 Music Methods – Instrumental
Organizing the instrumental music program, including concert bands, marching bands, orchestras, and small ensembles; a survey of the problems of instrumental teaching at various age and ability levels; the care and repair of musical instruments; and a study of methods and materials for class and private instruction. Field experience – MUS 343 Practicum III is required in order to complete 30 hours. The Ohio Competency Based Model for Arts Education will be addressed in this course. Prerequisites: MUS 141, MUS 240, MUS 242, MUS 245, MUS 320, MUS 321, and admission to the Teacher Education Program. 3 Semester Hours.

MUS 435 Preclinical – Music Education Practicum
This course focuses on professional and ethical practices in the classroom. Topics such as classroom management, lesson planning, instruction, assessments, and motivation will be covered. Students will discuss and review the Ohio Standards for the Teaching Profession, Ohio Standards for Professional Development, Resident Educator areas of focus, OTES, Operating Standards and Student Learning Objectives. Students will be required to complete 50 hours in a school placement, complete and teach 8 lesson plans which may be whole group, one-on-one, or small group lessons, and compose 14 reflective log entries. Prerequisite: Permission of instructor. Graded S/U. 4 Semester Credits.

MUS 438 Clinical Practice: Multi-Age Music
The candidate assumes responsibility for teaching music in a school setting for a minimum of 300 total clock hours. An additional 30 clock hours of field/clinical experience are required prior to the beginning of clinical practice. The course is graded S/U. The Field Placement Coordinator arranges field placement and required group seminars. Prerequisites: Completion of MUS 320 and MUS 321 with a "C" or better, proficiency requirements in piano, completion of all other coursework required for the Bachelor of Music degree, and Music Department approval. See Entry into Clinical Practice and the Music Student Handbook for additional prerequisites. 12 Semester Hours.

MUS 450 Special Projects in Music
Special work adapted to majors in music who wish to pursue fields of interest not covered in the regular departmental offerings. May be repeated. Some possible areas of exploration include advanced form and analysis, counterpoint, advanced conducting, musicology, and pedagogy. Permission of the instructor is required. 1-4 Semester Hours.

MUS 460-481 Applied Lessons in Music (Private Instruction)
Courses designed to guide the student in gaining proficiency on their instrument. The student will work one on one with an expert teacher to learn performance techniques, literature, wellness issues, and practice techniques for the instrument, as well as providing the potential future music educator with an example to emulate in the techniques of private teaching and pedagogy. All students registered for private music lessons must stop at the Visual and Performing Arts Office, located in Cope Music Hall, during the first week of the semester to make arrangements for lesson times. Due to the evolving nature of repertoire prepared for private music lessons, these courses may be taken multiple times, but not for a "change of grade." Students must meet departmental requirements regarding recital attendance (see *Music Student Handbook* for details). Extra fee required. Credit variable, 0.5-1 Semester Hour.

MUS 460	Piano
MUS 461	Organ
MUS 462	Harpsichord
MUS 463	Voice
MUS 464	Violin
MUS 465	Viola
MUS 466	Violoncello
MUS 467	String Bass
MUS 468	Electric Bass
MUS 469	Guitar
MUS 470	Harp
MUS 471	Flute
MUS 472	Oboe
MUS 473	Clarinet
MUS 474	Saxophone
MUS 475	Bassoon
MUS 476	Trumpet
MUS 477	French Horn
MUS 478	Euphonium
MUS 479	Trombone
MUS 480	Tuba
MUS 481	Percussion

MUS 482 Applied Composition and Analysis
This course is designed to guide the student in gaining proficiency in composition. The student will work one on one with an expert teacher to learn music composition techniques, literature, scoring, and analysis, wellness issues, as well as providing the potential future music educator with an example to emulate in the techniques of private teaching and pedagogy. Due to the evolving nature of private music composition lessons, these courses may be taken multiple times, but not for a "change of grade". Students must meet departmental requirements regarding recital attendance (see *Music Student Handbook* for details). Extra fee required. Credit variable. 1-2 Semester Hours.

MUS 486 Collaborative Piano Recital
This course is designed for pianist students preparing and performing a collaborative piano recital. Performance of the recital is contingent upon the student performing and passing a pre-recital hearing no fewer than four weeks before the proposed recital date. Prerequisite: Permission of instructor. This course is graded S/U. 1 Semester Hour.

MUS 487 Senior Project: Bachelor of Arts in Music
Independent study/senior research paper and/or full recital or lecture-recital. Proficiency requirements in piano must be passed before registering for this course. Please see the *Music Student Handbook* for pre-recital hearing requirements for recitals and lecture-recitals. Prerequisites: MUS 213, senior standing, and permission of the instructor. 3 Semester Hours.

MUS 488 Joint Recital
For students giving joint recitals. Please see the *Music Student Handbook* for pre-recital hearing requirements. Prerequisites: Sophomore or junior standing and permission of the instructor. This course is graded S/U. 1 Semester Hour.

MUS 489 Recital
The student will prepare and present a full recital to be performed on their primary instrument. Please see the *Music Student Handbook* for pre-recital hearing requirements. Prerequisites: MUS 213, junior or senior standing, and permission of the instructor. This course is graded S/U. 1 Semester Hour.

MUS 490 Senior Recital
This course consists of an independent study/senior research paper and full recital. Proficiency requirements in piano and basic musicianship skills must be passed before registering for this course. Please see the Music Student Handbook for pre-recital hearing requirements. Prerequisites: MUS 213, senior standing, and permission of instructor. This course is graded S/U. 2 Semester Hours.

MUS 494 Honors Thesis/Project
Please see All-University 494 course description.

Nursing

NUR 100 Nursing Academic Readiness
This course builds nursing academic readiness by enhancing reading, math, science, and English language development. The course also supports students in learning principles of anatomy and physiology. Instructor guidance, online quizzes, and tutorials will support unique learning styles and promote long term success. 2 Semester Hours.

NUR 130 Health Promotion Throughout the Lifespan
This course is an overview of human development from conception to death, with a focus on health promotion throughout the lifespan to aid in the assessment and professional care of individuals. The course will examine theoretical perspectives, and common physical, cognitive, emotional, and psychosocial developmental milestones. Prerequisites: Admission to the Nursing major or approval of the Department Chair or designee. 4 Semester Hours.

NUR 190 Intro to Nursing
This course introduces basic concepts of nursing practice. The nursing process is introduced as the fundamental organizing framework of planning and delivering nursing care. The scope of nursing practice, with emphasis on ethical, legal, and organizational factors that regulate the practice of the professional nurse and health care, is explored. Prerequisite: Admission to the Nursing major or approval of the Department Chair or designee. 2 Semester Hours.

NUR 240 Health Assessment & Physical Examination Across the Lifespan
This course provides the student with basic knowledge and skills to conduct a complete health history and systematic physical examination for clients across the lifespan with emphasis on adult clients. Normal physical findings and variations in health & wellness, with a holistic and systematic approach, are examined and recognized. Students practice assessment skills in the laboratory setting as part of the course component. Prerequisites: Meet Progression Requirements for Nursing Program and approval of the Department Chair or designee. Prerequisite or Corequisite: BIO 290. Corequisite: NUR 240 Lab. 4 Semester Hours.

NUR 260 Clinical Pharmacology
This course provides an overview of common classes of medications. The mechanism of action, pharmacokinetics, pharmacodynamics, indications, contraindications, and adverse drug reactions are explored for key medications of each class. These pharmacologic principles are used to help students recognize necessary nursing assessments and interventions for safe administration of medications which is practiced in the laboratory setting as a component of the course. Prerequisites: Meet Progression Requirements for Nursing Program and approval of the Department Chair or designee. Prerequisite or Corequisite: BIO 290. Corequisite: NUR 260 Lab. 4 Semester Hours.

NUR 262 Basic Nutrition
This course introduces the principles of basic normal nutrition. Selected altered health conditions are addressed. The emphasis is on the nurse's role in promoting and maintaining healthy nutrition to improve health and prevent or minimize disease states. Prerequisites: Admission to the Nursing Program or approval of the Department Chair or designee. 2 Semester Hours.

NUR 290 Foundations of Nursing Practice
This course introduces the student to basic nursing concepts. Emphasis is placed on basic human needs and skilled nursing care based on evidence. Students practice nursing skills in the laboratory setting as part of the course component. A clinical provides practical application of the content of this course. Prerequisites: NUR 240. Prerequisite or Corequisite: NUR 260 and BIO 290. Corequisites: NUR 290 Lab and NUR 290 Practicum. 6 Semester Hours.

NUR 340 Nursing Care of the Childbearing Family and Newborn
This course introduces students to theories and practical skills related to the care of the childbearing family, newborn infant, and women's health. Students examine the needs and adaptations of care for women and their families from puberty to menopause with an emphasis on pregnancy. A clinical rotation provides practical application of the content of this course. Prerequisites: NUR 260, NUR 290, and BIO 290. Corequisite: NUR 340 Practicum. 4 Semester Hours.

NUR 350 Nursing Care of Children & Families
This course focuses on the nursing care of children and their families. The child and family are viewed as the client, in varying stages of growth and development, in acute and ambulatory care settings. A clinical rotation in various clinical care units provides practical application of the content of this course. Prerequisites: NUR 260, NUR 290, and BIO 290. Corequisite: NUR 350 Practicum. 4 Semester Hours.

NUR 360 Nursing Care of Clients with Psychiatric Mental Health Conditions
This course focuses on nursing care of clients with psychiatric mental health conditions. Therapeutic nursing interventions with clients at varying points on the mental health continuum, who are experiencing internal and external stressors, are explored. A clinical rotation provides practical application of the content of this course. Prerequisites: NUR 260, NUR 290, and BIO 290. Corequisite: NUR 360 Practicum. 4 Semester Hours.

NUR 370V Evidence-Based Practice in the Nursing Profession
This course explores the relationship between nursing research and evidence-based practice. Students have opportunities to identify and incorporate various forms of evidence into clinical decision-making to improve quality, safety, and patient outcomes in nursing care. Prerequisite or Corequisite: MTH 123. Prerequisite: NUR 290. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

NUR 380 Nursing Care of Adults I
This course focuses on nursing care for adults with acute and chronic health disorders. Selected general medical-surgical conditions are explored. A clinical rotation provides practical application of the content of this course. Prerequisites: All NUR 200 level courses and BIO 290. Corequisite: NUR 380 Practicum. 6 Semester Hours.

NUR 390 Nursing Care of Adults II
This course focuses on nursing care for adults with acute and chronic health conditions. Selected general medical-surgical conditions are explored. A clinical rotation provides practical application of the content of this course. Prerequisites: All NUR 200 level courses and BIO 290. Corequisite: NUR 390 Practicum. 6 Semester Hours.

NUR 420 Community Health Nursing
This course explores application of the nursing process to communities and populations through integration of nursing theory with community/public health practice. Students apply concepts of holistic nursing assessment, social determinants of health, epidemiology, and prevention-focused interventions from local to global levels. A clinical rotation provides practical application of the content of this course. Prerequisite: NUR 380 or 390. Corequisite: NUR 420 Practicum. 4 Semester Hours.

NUR 430 Leadership & Management
This course explores leadership, management, and organizational behavior in health care. The course addresses building cultures of quality and safety in complex health care delivery systems. Leadership development and concepts of management for entry-level professional nursing practice are emphasized. Prerequisites: NUR 370V, NUR 380, and NUR 390. 4 Semester Hours.

NUR 440 Nursing Care of Clients with Critical Health Conditions
This course explores nursing care of adult clients who are experiencing conditions that are life threatening and/or involve multiple body systems in acute care settings. A clinical rotation provides practical application of the content of this course. Prerequisites: NUR 380 and NUR 390. Corequisite: NUR 440 Practicum. 6 Semester Hours.

NUR 480 Nursing Practicum
The course offers experiential learning outside of the classroom to enhance the role of entry-level professional nurse. Students apply leadership and management theory and research findings to professional practice as a direct care provider and coordinator of care to groups of clients. Students communicate and collaborate with health care providers and clients to plan, implement, and evaluate therapeutic nursing interventions for culturally and ethnically diverse individuals, families, and/or groups in health care settings. Graded S/U. Prerequisites: NUR 370V, NUR 380, NUR 390. 2 Semester Hours.

NUR 481 Transition to Nursing Practice
The course prepares senior students to make a smooth transition into the role of entry-level professional nurse. Students engage in seminar activities in which they integrate knowledge, values, and practice experiences from current and previous learning in nursing and the liberal arts and sciences throughout their nursing program. This course builds upon content taught in the prerequisite courses and is based on standards and guidelines by the American Nurses' Association and the American Association of Colleges of Nursing. Prerequisites: All NUR 300 level courses, except for NUR 350, and approval of the Department Chair or designee. 2 Semester Hours.

NUR 499 Internship
The course offers experiential learning outside of the classroom to enhance to the role of entry-level professional nurse. Students apply leadership and management theory and research findings to professional practice as a direct care provider and coordinator of care to groups of clients. Students communicate and collaborate with health care providers and clients to plan, implement, and evaluate therapeutic nursing interventions for culturally and ethnically diverse individuals, families, and/or groups in acute care settings. A contract will specify the activities with which the student will be involved. Consult with a department faculty member

for details. Prerequisites NUR 370V, NUR 380, and NUR 390 and approval of the Department Chair or designee. Graded S/U. 2 Semester Hours.

Peacebuilding and Social Justice

PSJ 150H Introduction to Peacebuilding and Social Justice
This course introduces students to the interdisciplinary field of peace and justice studies. The study of peace, conflict, and social justice draws from many fields, including (but certainly not limited to) religious studies and theology, literature, philosophy, communication, history, political science, sociology, and psychology. This course emphasizes a humanistic approach to the field of peace and justice studies, and students will explore the methods, content, and key questions and issues in the field. The course investigates theories of violent conflict and explores the theories and practices of strategic, effective, and just peace-making, drawing from a variety of academic disciplines. The course also provides students with basic conflict mediation and resolution skills. The course emphasizes written and oral communication skills, particularly analytical and persuasive argument. 4 Semester Hours.

PSJ 170 Lobbying on Capitol Hill
This course provides a first-hand, experience-based exploration of the process of lobbying for the public interest, or what is sometimes called the common good. The course culminates in a 4-day trip to Washington, DC in March for Spring Lobby Weekend, where students will learn about a pressing issue, receive formal training by veteran lobbyists, and directly lobby their own elected officials on Capitol Hill. Course may be repeated for credit. 2 Semester Hours.

PSJ 495 Independent Study
Independent study projects can involve an extensive research project and may include an extended service learning project framed by an appropriate academic context which may integrate elements of the student's major. 4 Semester Hours.

Philosophy

PHL 100H Introduction to Philosophy
Reflection and critical thinking centered on some of the basic problems and questions in philosophy, such as: What is the nature of ultimate reality? How do we know that what we believe is true? Is there more to our mind than just our physical brain? Do we really have free will? Can the existence of God be proven or disproven? What makes a choice good or evil? 4 Semester Hours.

PHL 105H Philosophy and Film
A survey of basic problems in philosophy, e.g., the nature of ultimate reality, the problem of knowledge, human nature and the self, freedom and determinism, the existence of God, good and evil and the meaning of life. This course provides the student with an introduction to philosophy that uses movies to illustrate key concepts relevant to the philosophical problems covered in the course. 4 Semester Hours.

PHL 120H Contemporary Moral Problems
This course explores some of the major moral issues confronting contemporary society. Following a brief review of ethical theory, topics discussed may include abortion, physician-assisted suicide, war and pacifism, capital punishment, sexual ethics, legal regulation of drugs, affirmative action, civil disobedience, surrogate parenting, cloning and genetic engineering, global poverty, and environmental ethics. 4 Semester Hours.

PHL 199 Special Topics in Philosophy
See All-University 199 course description.

PHL 210 Logic
An introduction to the art of correct reasoning, including an introduction to symbolic logic as well as treatment of such topics as: the nature of argument, induction, deduction, validity, soundness, aspects of language which tend to interfere with logical thought, definition, role of emotion, types of disagreement, and fallacies. Special emphasis is placed upon recognizing and overcoming hindrances to critical thinking and upon recognizing misleading, fallacious or irrational appeals that attempt to manipulate our beliefs and actions. 4 Semester Hours.

PHL 220H Ancient Greek Philosophy
Socrates, Plato and Aristotle form the core of this introduction to the early history of Western philosophy. Other areas covered may include Pre-Socratics such as Pythagoras and Zeno, later Greek and Roman philosophies such as Stoicism and Skepticism, and

early Christian and Medieval philosophies influenced by Greek ideas. Ancient philosophies from other cultures may be presented as points of comparison. 4 Semester Hours.

PHL 230V Modern Philosophy
An introduction to Western philosophy beginning with the Renaissance and the Scientific Revolution, with an emphasis on the Enlightenment and Modern eras in Europe from the 17th to the 19th centuries. The course will include discussion of revolutionary thinkers such as Descartes, Hobbes, Locke, Hume and Kant. Some more recent philosophical developments may also be covered. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 250H Philosophy of Religion
This course examines standard attempts to establish the rationality of belief in God and the challenges raised to those attempts by the evil in the world. Also to be considered are issues such as what God is like and how God is related to our lives and the limitations of this world. 4 Semester Hours.

PHL 260V Aesthetics
An examination of our aesthetic responses to both the natural world and works of art, including painting, architecture, literature, music and film. Topics discussed may include the nature of the creative process, what counts as art, criteria for judging artworks, the relationship between art and morality/politics, and the aesthetic status of forgeries. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 270V Ethics
An examination of ethical theories about what makes certain actions right or wrong, good or evil, virtuous or vicious, and what constitutes good character and a well-lived life. Some application of ethical theory to practical moral problems will also be included. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 280H Bio-Medical Ethics
Following a brief review of ethical theory, class discussion will focus on ethically complex issues involved in current medical practice. Topics may include research ethics, end-of-life decision-making, abortion, environmental issues, genetic testing and engineering, the just distribution of medical resources, and the responsibilities of healthcare providers concerning confidentiality, truth-telling, and informed consent. 4 Semester Hours.

PHL 290V Environmental Ethics
This course introduces students to ethical issues associated with the relationship between humans and the natural world. Do animals have rights? Do trees? What about entire ecosystems? Can traditional human-centered systems of ethics adequately answer such questions or is a more radical approach to environmental ethics required? Depending upon student interests, the course may offer opportunities for reflective wilderness experiences and/or service learning. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 291 The Wilderness
This course will focus on the nature and value of the wilderness. Is there an ethical obligation to preserve wilderness areas? How can humans visit and use wilderness areas responsibly? Students will participate in an extended trip to a wilderness area and will engage in service learning, discussion, and reflection activities exploring the nature and value of the wilderness and problems associated with wilderness preservation. Prerequisite: permission of instructor. 2 Semester Hours.

PHL 299 Special Topics in Philosophy
See All-University 299 course description.

PHL 310V Experience, Knowledge, and Reality
This course is a survey of classical and current attempts to define knowledge and rational belief and to determine what, if anything, we know. The course examines questions like such as: What conditions must be met in order for someone to be entitled to say that they know something is true, as opposed to just believing it? How should one decide what is worthy of belief? It pays particular attention to the interplay between science and philosophy on this issue. What is the difference between a genuine science and a mere pseudoscience? Does science provide us with an increasingly accurate, objective picture of an independently existing reality, or is all truth, even scientific truth, manufactured? Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 320V Philosophy of Mind/Artificial Intelligence
This course examines contemporary philosophical theories of the mind. The course includes such topics as the mind/body problem, the problem of consciousness and the problem of mental representation. Special attention is paid to the question of artificial intelligence and to the relation of cognitive psychology, neuroscience, and computer science to the philosophy of mind. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 335V Business Ethics
The course will examine key ethical concepts and issues that apply to careers in business. The course will cover theories of ethics and will also use practical examples. In particular, the content of the course will include the ethical standards applicable to the practice of financial planning. Prerequisite: junior standing or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHL 399 Special Topics in Philosophy
See All-University 399 course description.

PHL 410 Independent Study
Advanced research in philosophy. Primarily for philosophy majors at the junior or senior level. Students may repeat for different topics. Prerequisite: Permission of instructor. Credit variable, 1-4 Semester Hours.

PHL 494 Honors Thesis/Project
See All-University 494 course description.

Physics

PHY 100N How Things Work
A non-mathematical introduction to the science of physics intended for non-science students. Topics covered will be from elementary mechanics, properties of matter, sound, heat, electricity, magnetism, light, atomic physics, nuclear physics and relativity. Emphasis will be on the development of a solid qualitative understanding of the physical world. Demonstrations and activities involving physical phenomena will accompany lectures. Six contact hours per week. 4 Semester Hours.

PHY 101N General Physics I
A practical and theoretical introduction to physics covering elements of classical mechanics including kinematics, forces, momentum conservation, energy conservation, work, thermodynamics, and rotational motion. Elements of vector analysis and calculus are presented. Three class hours and one three-hour laboratory session per week. Corequisite: MTH 140, MTH 141 or higher. 4 Semester Hours.

PHY 102 General Physics II
A practical and theoretical introduction to physics covering elements of electricity and magnetism, waves, optics and quantum mechanics. Elements of vector analysis and calculus are presented. Three class hours and one three-hour laboratory session per week. Prerequisite: PHY 101with a grade of "C-" or higher (or permission of the instructor) and MTH 140. 4 Semester Hours.

PHY 120N Astronomy
This course is designed to introduce students to the field of astronomy. Topics covered include historical astronomy, the Solar System, stars, galaxies, and cosmology. Laboratory sessions include observing constellations and astronomical objects through the observatory's telescopes. Six contact hours per week. 4 Semester Hours.

PHY 150 A (qu)bit of Quantum Information
This course offers a beginner-friendly introduction to quantum computing. Unlike traditional computers, which use bits to store information, quantum computers use qubits, which follow the strange and fascinating rules of quantum physics. Students will explore what makes quantum computing so powerful, and how it could change the future of technology. Topics include the weirdness of superposition, qubits, quantum entanglement, quantum logic, and the hardware used to build quantum computers. Emphasis will be placed on areas where quantum computing is expected to make significant impacts, including cryptography, medicine, quantum machine learning, and quantum AI. Four contact hours per week. 2 Semester Hours.

PHY 199 Special Topics in Physics
See All-University 199 course descriptions.

PHY 200V Planets and Moons
This course is an introduction to the physical and geological study of the properties, origin and evolution of planets, moons, comets and asteroids. The methods used to explore our solar system and planetary systems of other stars will also be studied. Four class hours per week. Prerequisite: MTH 100 or equivalent mathematics in high school. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHY 201V Einstein's Universe – The Big Bang, Black Holes and Beyond
A study, accessible to non-science majors, of modern scientific cosmology and other ramifications of Einstein's General Theory of Relativity. What is the nature of the universe, and what rules govern it? What is the history of the universe, and what is its future? Do black holes really exist? Could there be more than one universe? These questions, scientific theories related to them, and the observations that lead to those theories will be discussed. Four class hours per week. Prerequisite: MTH 100 or equivalent mathematics in high school. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHY 211 Modern and Medical Physics
A laboratory and theoretical study of topics in modern physics with an emphasis on medical applications. Topics include the quantization of matter/energy, radiation, the Schrodinger equation, and special relativity; applications include spectroscopy, medical imaging, and proton beam therapy. Four hours of lecture with two hours of lab per week. Prerequisite: PHY 102. Corequisite: MTH 142. 4 Semester Hours.

PHY 219 Thermodynamics
A study of thermodynamics and applications. Core concepts include the zeroth through third law of thermodynamics, the kinetic theory of gases, ideal gas laws and heat engines. Prerequisites: PHY 101N, MTH 142 or permission of the instructor. Four contact hours per week. 2 Semester Hours.

PHY 221 Statistical Mechanics
A study of statistical mechanics. Core concepts include the canonical probability distribution, the partition function and the chemical potential. Additional topics may include photons and phonons, chemical and phase equilibrium, transport processes and critical phenomena. Prerequisites: PHY 219, MTH 142 or permission of the instructor. Four contact hours per week. 2 Semester Hours.

PHY 222 Astronomical Imaging
An exploration of the art and science of astronomical imaging. This course examines the nature of light and various means to collect it and create images, and some of the information it brings us about the objects that produced it. Students will take images, weather permitting, using local and robotic telescopes and will gain experience in image processing. Specific applications may include measuring the brightness, position, and spectral features of astronomical objects, using sunspots to measure solar rotation, imaging using special filters and combining images from different parts of the electromagnetic spectrum, and making mosaics. Prerequisites: MTH 100 or permission of the instructor. 4 Semester Hours.

PHY 230V Electronics
A laboratory-based course in the basic principles of practical and theoretical modern electronics. Topics include circuit analysis, semiconductor devices, operational amplifiers, digital electronics and computer interface. Two three-hour lecture/laboratory meetings per week. Additional fee applies. Prerequisite: PHY 102 with a grade of C- or higher. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHY 254V Science, Sound and Music
This course examines the science of sound, music and acoustics, exploring ideas including how sound is produced and perceived, the effect of room acoustics on sound and how musical instruments work. Four class hours per week. Prerequisites: MTH 100 or equivalent mathematics in high school. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PHY 270 Seminar I
Students review relevant topics from physics and astronomy by presenting formally to the class. 1 Semester Hour.

PHY 299 Special Topics in Physics
See All-University 299 course description.

PHY 302 Analytical Mechanics
A study of classical statics and dynamics including translational and rotational motion, work and energy, damped and undamped oscillating systems, wave propagation, Lagrange's equations, the Hamiltonian and tensors. Four class hours per week. Prerequisites: PHY 101 and MTH 142. 4 Semester Hours.

PHY 307 Electromagnetic Theory
Topics to be covered include electrostatics and electrostatic energy, dielectric media, electric currents, magnetic properties of matter, electromagnetic induction and Maxwell's equations. Four class hours per week. Prerequisites: PHY 102 and PHY 302. 4 Semester Hours.

PHY 313 Nuclear Physics
An exploration of the field of nuclear physics, including nuclear structure, nuclear reactions, fission and fusion. Applications of nuclear science to weapons, energy, and medicine are also discussed. Four contact hours per week Prerequisite: PHY 211. 2 Semester Hours.

PHY 314 Atomic and Molecular Spectroscopy
An exploration of the field of Atomic and Molecular Physics, including atomic and molecular structure and dynamics, lasers, spectroscopic techniques and measurements. Four contact hours per week. Prerequisite: PHY 211. 2 Semester Hours.

PHY 322 Astrophysics
Introduction to radiative transport theory, stellar atmospheres and interiors. Selected topics from among interstellar matter, variable stars, stellar dynamics, star clusters, galactic structure, general relativity and cosmology are treated. Four class hours per week. Prerequisites: PHY 120. MA 142 (must be taken previously or concurrently). 4 Semester Hours.

PHY 370 Seminar II
Students review relevant topics from physics and astronomy by presenting formally to the class. Presentations are longer and more in depth in comparison to PHY 270. Prerequisites: PHY 270. 1 Semester Hour.

PHY 399 Special Topics in Physics
See All-University 399 course description.

PHY 409 Quantum Mechanics
This course provides an in-depth exploration of quantum mechanics with emphasis on spin systems and their application. Topics include operator methods, angular momentum and spin, perturbation theory, identical particles, and entanglement. Additional topics will include the uncertainty principle, barrier penetration, Poisson, Lagrange, commutator brackets, and perturbation theory. Four class hours per week. Prerequisites: PHY 211 and MTH 335. 4 Semester Hours.

PHY 421 Condensed Matter Physics
A study of the physical properties of condensed phases of matter including Crystal Lattice Structures, X-ray Diffraction and Reciprocal Lattices, Phonons, Conductivity, the Hall Effect and Magnetoresistance, Thermal and Conductive properties in a Free Electron Gas, Periodic Potentials and Bloch's Theorem, Classical and Quantum Crystals, and Semiconductors. Four class hours per week. Prerequisites: PHY 211. 2 Semester Hours.

PHY 446 Methods of Mathematical Physics
A study of the interface between mathematics and physics focusing particularly on partial differential equations, special functions, and the calculus of residues. Mathematical modeling and various analytical and numerical solutions will be covered. Four class hours per week. Prerequisites: PHY 302 or MTH 335. 2 Semester Hours.

PHY 456 Research
This course may serve as the Senior Culminating Experience if arranged in advance with the student's advisor. Class meetings and scheduling are arranged with each student individually; the time commitment expected is eight hours per week Prerequisites: Declared and accepted major in physics and permission of the department chair. May be repeated for credit. 4 Semester Hours.

PHY 460 Senior Thesis I
This course involves the independent investigation of a problem in physics and/or astronomy. Emphasis is on generating appropriate research questions, reading relevant literature and designing a realistic plan of study. The course meets 1 hour a week with all enrolled to discuss thesis progress, composing resumes, taking the GRE exams, and applying for jobs and/or graduate school. When combined with PHY 461, this course is designed to fulfill the Senior Culminating Experience requirement. Prerequisites: Permission of the instructor. 2 Semester Hours.

PHY 461 Senior Thesis II
This course involves the independent investigation of a problem in physics and/or astronomy. Emphasis is on executing the plan of study formulated in PH 460 and analyzing and presenting the results. The course meets 1 hour a week with all enrolled to discuss thesis progress and transitioning to graduate school, industry or other employment. When combined with PHY 460, this course is designed to fulfill the Senior Culminating Experience requirement. Prerequisite: PHY 460. 2 Semester Hours.

PHY 494 Honors Thesis/Project
See All-University 494 course description.

PHY 499 Internship in Physics
An experience-based course designed for juniors and seniors. Students are placed in appropriate laboratories or agencies where previous classroom learning may be integrated with a work experience. The exact location, program and method of evaluation are provided in a contract drawn between the student, the faculty sponsor and the host internship supervisor. Registration by arrangement with the faculty sponsor and departmental chair. Specific restrictions may apply. 1-16 Semester Hours.

Political Science

POL 100S All Politics is Local: The Promise and Pitfalls of State and Local Government
This course provides an overview of state and local government by studying the following topics: the structure and functions of state and local governments (e.g., federalism, constitutions, and finance), political behavior (e.g., elections, political parties, and interest groups), institutions (i.e., legislative bodies, executives, courts, and bureaucracy), and public policy (e.g., education, criminal justice, health, and environmental). The course material focuses on the role of state and local governments in American society and how citizens, political elites, and government officials interact to shape public policy. At the end of the semester, students will appreciate the role of state and local governments within American federalism and understand the importance of political participation. 4 Semester Hours.

POL 105S US Politics in Crisis: American Government, Politics, and Society
This course provides a comprehensive introduction to the structure and processes of government in the United States. It is a survey course covering the foundations of American government, its major institutions and the various forces that shape political decision making. Some of the topics which will be addressed include democratic theory, the constitution, federalism, state and local government, public opinion, interest groups, elections, the courts, Congress, and the presidency. 4 Semester Hours.

POL 120S Going Global: An Introduction to World Politics
This course examines the structure and operation of the international system, providing an overview of the nature, forms and dynamics of world politics covering issues of international security, international political economy and emerging trends in the post-Cold War world. This course will include an experiential learning component. 4 Semester Hours.

POL 135 Living the Good Life: Political Philosophy and You
An examination of the principal themes, philosophies, and ideologies of the western tradition which have molded and continue to affect our political institutions, our political beliefs and our politics. The course will begin with the classical Greek roots of our civilization; will explore the religious, primarily Christian, components of western society; will then discuss the contribution of scientific thought and conclude with a brief examination of post-modern perspectives. 4 Semester Hours.

POL 170 Lobbying on Capitol Hill
This course provides a first-hand, experience-based exploration of the process of lobbying for the public interest, or what is sometimes called the common good. The course culminates in a 4-day trip to Washington, DC in March for Spring Lobby Weekend, where students will learn about a pressing issue, receive formal training by veteran lobbyists, and directly lobby their own elected officials on Capitol Hill. Course may be repeated for credit. 2 Semester Hours.

POL 180 Exploring the World: An Introduction to Geography
This course introduces the general student and the prospective teacher of integrated social studies to an examination of geography, focusing in particular on spatial patterns of political organization, cultural diversity and economic activity; overview of major world regions; in-depth introduction of key countries; human geography; and the overall use and relevance of geography. Geography for Life: National Geography Standards will be addressed. 4 Semester Hours.

POL 190 Careers in Politics and International Affairs
This course will acquaint students with the different careers and opportunities available to them with a degree in political science, international affairs, and national security as well as provide them with the basic skills needed to achieve their career goals. 1 Semester Hour.

POL 200 Introduction to Law and the Legal System
This course is intended to provide students with a general understanding of law and the judicial system in the United States. This course will consist of three major segments: The first will analyze the meaning of law, define our legal system and explain the major sources of law. The second will explain our federal judicial system. It will provide an extensive analysis of the state and national courts. The final section will introduce students to specific areas of substantive law. Prerequisite: POL 105S or permission of instructor. 4 Semester Hours.

POL 202 Congressional Politics: Issues and Controversies
This course examines the origins and development of the American Congress, theories of representation and legislative behavior and the legislative process, with particular emphasis on Congressional rules and procedures. The course also explores the electoral connection between members of Congress and their constituents and the relationship between members of Congress and other political officials and organized interest groups. Prerequisite: POL 105S recommended or permission of the instructor. 4 Semester Hours.

POL 203 American President: Power and Leadership in the 21st Century
This course examines the creation of the presidency and the development of the role of the president within our constitutional system of separated powers. In particular, we will focus on the emergence of the 'public' presidency. Additional topics include the presidential election process, decision making and personality, and policymaking in both domestic and foreign affairs. Prerequisite: POL 105S recommended or permission of the instructor. 4 Semester Hours.

POL 210 Travel Seminar
In this course students will participate in a faculty-led trip to cities/regions inside or outside the United States. 1-4 Semester Hours.

POL 225V International Relations
This course provides students with an introduction to the basic theories and methods used in the study of international relations. The course covers such topics as the dynamics of conflict and cooperation, the processes of foreign policy decision-making and the evolution of the modern international system. Prerequisite: POL 120S recommended or permission of the instructor.
Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 245G Comparative Political Systems
This course introduces students to the comparative political analysis. The primary purpose is to familiarize students with the basic themes, concepts, and theoretical and methodological approaches to analyze, compare and contrast the development, governmental structures, political processes, and socio-political and socio-economic dynamics of contemporary political systems. Prerequisite: POL 120S recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 270V US Foreign Policy: Past, Present and Future
This course provides a critical analysis of the foreign policy of the United States looking at both its content and process. The course will examine the key actors and institutions involved in the foreign policy-making process as well as major trends in US foreign policy and contemporary foreign policy challenges. Prerequisite: POL 120S recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 275 Intelligence Analysis
The purpose of this course is to introduce the student to the departments and agencies –collectively known as the Intelligence Community (IC). Students will gain a detailed understanding of the definition of intelligence and the role it plays in national security policy. The course will examine the intelligence process, how the IC analyzes threats, and how intelligence fits into American government more broadly in terms of public policy development, bureaucratic politics, and international relations. 4 Semester Hours.

POL 305 Constitutional Law
This course will provide students with an in-depth study of American constitutional law. It will include an historical analysis of the constitution and its political and social importance. Then substantive areas of constitutional law will be addressed including the incorporation doctrine, legal federalism, civil rights, and civil liberties. Within this context specific issues which will be examined are the commerce clause, the equal protection clause, freedom of speech, freedom of religion, rights against self-incrimination and unreasonable searches and seizures, sex and race discrimination, and affirmative action. Prerequisite: POL 200 (prior to 2016-17 Prereq POL 300) or permission of the instructor. 4 Semester Hours.

POL 310 Elections: How to Run and Win
An analysis of political campaigns and elections for president and Congress. Specific attention will be paid to election trends, voter characteristics and the impact of technology and polling on modern election campaigns. Recommended: POL 105S. 4 Semester Hours.

POL 315V Public Policy
An analysis of the governmental policy making process and substantive policy issues such as health care, education, criminal justice, and the environment. Within this context we will compare U.S. policy approaches with those of other countries. Recommended: POL 105S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 320 Legal Advocacy
This course will introduce students to the methods, concepts, and practice of legal advocacy. Essential to this objective will be instruction in effective techniques of written and oral argumentation as they apply to legal procedure. Course activities will include writing legal and appellate briefs and conducting a mock trial and a simulated oral appellate hearing. Prerequisite: POL 105S or permission of instructor. 4 Semester Hours.

POL 321 Terrorism
This course will involve an examination of the historical evolution of terrorism and its development both on a national and international level. Some of the topics covered will include the psychological profile of terrorists, the socio-political conditions that contribute to the growth of terrorism, terrorist group strategies, tactics and targets as well as methods of counterterrorism. Prerequisite: POL 120S recommended or permission of the instructor. 4 Semester Hours.

POL 322 Cyberwar and Cybersecurity
This course provides a critical analysis of the evolution of the cyber threat facing the United States and the world as well as the methods used to address this threat. The course will identify the evolution of the cyber threat, the main trends in cybersecurity, and the key actors and institutions involved in cybersecurity policy. 4 Semester Hours.

POL 325 Civil Rights: Race, Gender, and Sexual Orientation Discrimination
This course analyzes issues of race, gender, and sexual orientation discrimination. It provides an historic, political, ethical, legal, and comparative overview of how these groups have been treated in regard to the provision of basic rights such as property, ownership, education, housing, voting, marriage, and the workplace. Prerequisite: POL 105S recommended or permission of the instructor. 4 Semester hours.

POL 344 Africa's Promise: Challenges and Opportunities of the 'Forgotten Continent'
This course is intended as a comprehensive survey of the political, social, cultural, economic, and historical factors affecting the African continent. Particular attention will be devoted to the legacy effects of colonialism/imperialism, regional security concerns, and Africa's position in the global economy and in international politics. In doing so, this course will draw on a diverse range of case studies spanning North Africa and Sub-Saharan Africa. 4 Semester Hours.

POL 345G Europe's Future: Politics, Society, and Economy
This course provides a comprehensive overview into the situational context, structures, and evolutionary and transformational dynamics of selected European polities (including polities in Western, Northern, Southern, and Central/Eastern Europe) and the European Union. Specific themes will include discussions on European regionalism and supranationalism, social welfare state politics, European integration and enlargement, immigration and demographic challenges, and the rise of extreme right parties, among others. Discussion and contextual analysis of current social, political and/or economic trends and developments, as well as future prospects and challenges, will be an integral part of the course. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 346G The Rise of Asia: Politics, Society, and Economy
This course is intended as a comprehensive survey of the political, social, cultural, economic, and historical factors that have shaped China, Japan, the Korean peninsula and Southeast Asia since World War I. Specifically, the course will address the historical antecedents, contemporary manifestation, and the evolution as well as future prospects and challenges of political culture, political institutions/processes, political economy systems and social structures in Northeast and Southeast Asia. Additionally, discussion and contextual analysis of key contemporary domestic political/economic/social dynamics will also be an integral part of the course. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 347G Post-Soviet Politics: From Soviet Collapse to Resurgence
An introduction to the politics of Russia and the now independent states of the former Soviet Union. This course examines the changes and continuity in post-Soviet politics as well as the origins and development of the political and economic systems. Some of the issues examined in the course include the politics of economic reform, democratization, the rise of ethnic conflicts, and the collapse of communism and its aftermath. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 348 Problems of Developing Nations
This course is intended as a comprehensive survey of the political, social, cultural, economic and historical factors affecting the developing countries. Particular attention will be devoted to colonial legacies and post-colonial development, domestic political dynamics and the position of developing countries in the global economy and in international politics. In doing so, the course will draw on a diverse range of case studies from Africa, Asia, and Latin America. Prerequisite: POL 120S or POL 180 recommended or permission of the instructor. 4 Semester Hours.

POL 349G The Middle East: Challenges and Opportunities of a Volatile Region
This course is intended as a comprehensive survey of the political, social, cultural, economic and historical factors affecting the broader Middle East. Particular attention will be devoted to the Sunni-Shiite rivalry, the Arab-Israeli conflict, socioeconomic dynamics, the vulnerability of success of oil-rich economies, political (in)stability, and regional security concerns, and the position of the Middle East in the global economy and in international politics. In doing so, the course will draw on a diverse range of country case studies. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

POL 400 Seminar in Political Science
Each student will select a topic within a given area of political science or international studies and will read it, and analyze it, on their own initiative. Emphasis will be placed on primary sources and research methods. A major, scholarly paper is required. This will be the Senior Culminating Experience in the major. Prerequisite: SOC 364 and SOC 365. 4 Semester Hours.

POL 401 Senior Project in International Affairs and Diplomacy
This course will be the capstone to the major in International Affairs and Diplomacy. Each student will select a topic within a given area of international affairs and diplomacy and will read it, and analyze it, and produce a scholarly paper. The course will include a review of appropriate research methods, an introduction to the types of research done in the field, development of a literature review, and the conduct of empirical research. Prerequisite: SOC 364 and SOC 365. 4 Semester Hours.

POL 405 Independent Study
Open to juniors and seniors majoring in political science. Emphasis is on independent, in-depth inquiry into a subject. Permission of instructor required. Arrangements must be made with the instructor during the semester prior to the one in which the course is offered. 1-4 Semester Hours.

POL 470 Senior Project in National Security and Intelligence Analysis
This course will be the capstone to the major in National Security. Each student will identify and research an issue affecting US national security and will read it, and analyze it, and produce a policy paper addressing the issue. The course will include a review of appropriate research methods, an introduction to the types of questions national security analysts ask, the research done in the field, and the conduct of empirical research. Prerequisite: POV 270V, SOC 364, and SOC 365. 4 Semester Hours.

POL 494 Honors Thesis/Project
Formal paper written under the supervision of a departmental member. See All-University 494 course description in the catalog. Arrangements must be made with the instructor during the semester prior to the one in which the course is offered. 4 Semester Hours.

POL 499 Internship
An experience-based course in which the student spends a specified amount of time attached to a public, government, legal, or non-profit agency in order to gain actual work experience and then have the opportunity to relate classroom knowledge to a work experience situation. The exact program is to be agreed upon by the intern, the internship coordinator and the cooperating agency or office. Permission of internship coordinator required prior to enrollment. Arrangements must be made with the instructor during the semester prior to the one in which the course is offered. 1-16 Semester Hours.

Pre-Medical and Pre-Health Professions

MED 100 Introduction to the Health Professions
An overview of various health care career opportunities, educational requirements and issues affecting the delivery of health care. This course will also help to prepare students to successfully complete these courses of study, leading to a future in the career in the health care field. 1 Semester Hour.

MED 200 Community Healthcare: From Theory to Practice
The Alliance Community Hospital-Community Care Network. A study of key issues concerning community health care aimed at developing practical approaches to supporting patients. Students consider obstacles to effective health care as well as strategies for enabling at-risk patients to play more active roles in promoting their health and well-being. Topics include challenges of delivering adequate healthcare in communities; population medicine; specific problems posed by diabetes, obesity and cardiovascular disease; ethical dimensions of the concept of "underinsurance"; and methods of improving compliance and measuring outcomes. Conducted as a seminar, this course provides students with the academic foundation for a subsequent Health Coach Internship with the Alliance Community Hospital Community Care Network. Prerequisites: Sophomore standing, MED 100 and approval of Pre-Medical and Pre-Health Professions Program Director. 1 Semester Hour.

MED 400 The Health Coach Internship: The Alliance Community Hospital-Community Care Network
This internship allows University of Mount Union pre-health students to regularly meet with patients experiencing chronic conditions and having a history of frequent hospitalizations. The health coaches serve in a preventive role by helping patients to maintain their current medications, adhere to testing regiments and, possibly, find other underlying causes for the patient's problems. The students become part of the Alliance Community Care Network, an Alliance Community Hospital-wide effort comprised of a physician-directed team of nurses, counselors, social workers, nutritionists and ancillary support personnel. The goal of the program is to reduce hospital stays and emergency room visits by these "high-risk" patients. Prerequisites: MED 200, Senior standing and approval of Pre-Health and Pre-Medical Professions Program Director. 2 Semester Hours.

Psychology

PSY 110S The Psychological Sciences
This course examines the scientific study of behavior and mental processes using current issues and research as the framework for exploring the discipline of psychology. In this course you will learn that psychology is a science that attempts to answer some of the age-old questions about the human experience by using rigorous empirical methods. Students will become familiar with the concepts, general theories, and specific approaches and applications used in the field of psychology as well as how they relate to the work done by other social scientists. The following subfields in psychology will be explored: research methodology, biological bases of behavior, development, sensation and perception, consciousness, learning, memory and cognition, motivation and emotion, personality, social behavior, abnormal psychology, and the treatment of psychological disorders. This course may have online section available. Prerequisites: None. 4 Semester Hours.

PSY 120 Careers in Psychology, Neuroscience, and Human Development
This course is designed to acquaint students with the range of career possibilities that exist for them after graduation. Students will explore their interests across the fields of psychology, neuroscience, and human development and family science and develop a comprehensive plan for their undergraduate careers. The course will include exploration of all majors offered by the department and the development of plans to pursue students' chosen paths and future careers. Prerequisites: PSY110S and must be a declared Psychology, Neuroscience, or Human Development/Family Science major. Undeclared students must get permission of the instructor. 2 Semester Hours.

PSY 199 Special Topics in Psychology
See All-University 199 course description.

PSY 210 Educational Psychology
This course explores the psychological issues in the educational context beyond reading, writing, and arithmetic. Students that are interested in pursuing careers in school counseling, school psychology, school social work, or teaching should take this course. It examines the application of psychological theories and principles to education and teaching. There is a focus is on the educational implications and application of research relating to human development (including physical, social, emotional, and cognitive development). The topics covered include cognitive processes (e.g., metacognition, memory, transfer, critical thinking, problem solving, etc.) the theories and principles of learning; motivation; individual and group differences; social contexts for learning; and classroom management. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 215 Child and Adolescent Development
This course explores human development from birth to adolescence. The domains of development explored include prenatal, physical, cognitive, linguistic, social and emotional. The course also examines the contexts in which these domains develop. Students are required to engage in regular written and intellectual discourse about contemporary topics related to the course. This course may have online sections available. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 220 Aging and Adulthood
This course is intended to facilitate an understanding of and appreciation for the significant developmental processes and changes that occur in early, middle and late adulthood. In addition to examining current research and theories related to biological, cognitive and social factors, particular attention is paid to the impact of culture and the environmental context on the aging process. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 222 Research Methods in Psychological Sciences
This course is a survey of research methodology, design considerations, and statistical analyses of corresponding behavioral data. The course begins with a presentation of elementary descriptive and experimental research procedures as well as related statistical procedures (descriptive statistics, data presentation and characterization, inferential statistics, basics of hypothesis testing, and parameter estimation). During the semester, more advanced methodological issues, correlational, and experimental designs will be presented. An experimental research project, laboratory exercises, and work with computerized statistical programs provide direct experience with these techniques. Students in PSY 222 are expected to maintain a grade of C- or higher to prepare them for the senior research sequence. If the grade earned is lower than a C- students must retake the course in order to proceed with PSY 400. Prerequisites: PSY 110S. 4 Semester Hours.

PSY 225 Lifespan Development
This course utilizes a holistic approach to understanding the development of the individual from conception to death. Emphasis is placed on the ways in which contextual variables influence development and functioning in physical, cognitive, affective and social domains. Prerequisite: PSY 110S or permission of instructor. This course may have online sections available. 4 Semester Hours.

PSY 230 Personality Theory
This course is a survey of the work of a diverse group of theorists who have all sought to explain the structure, development and functioning of human personality. Theoretical perspectives covered will include psychodynamic, sociocultural, humanistic, existentialist, biological, trait, behavioral and cognitive approaches. Prerequisite: PSY 110S or permission of instructor. 4 Semester Hours.

PSY 235 Social Psychology
This course is an examination of human behavior in a social and cultural context. Topics covered will include the self in a social context, attitudes, attributions, persuasion, conformity, attraction, altruism, prejudice, aggression, group dynamics and inter-group relations. Prerequisite: PSY 110S or SOC 100S. 4 Semester Hours.

PSY 240 Abnormal Psychology
Abnormal Psychology is largely concerned with the nature, origin, and treatment of mental illness. This course offers the student a comprehensive overview of the field, focusing on the biological, psychological, relational, and social components of mental disorders. A historical and contemporary exploration of mental illnesses offers the student a broad overview of the field, while a cross-cultural examination of disorders offers students insight to how mental illness is viewed from various perspectives. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 245 Learning and Conditioning
This course is an introduction to the concepts of learning as reflected in major theories including classical, operant and social learning. This course examines how humans and animals seek and acquire information about their surroundings, make correlational or predictive inferences and express those inferences behaviorally. Students will engage in various activities to help them understand how basic learning principles explain much of human behavior. A major project in the course will involve an identifying problem behaviors in dogs and using positive reinforcement to correct those behaviors. This training process will be documented in videos that will be made available to the public on the department webpage. Access to/owning a dog is not required to take this course. Prerequisites: PSY 110S or permission of the instructor. 4 Semester Hours.

PSY 250 Neuroscience: The Brain
This course is part of a two course series examining the biological foundations of behavior which can be completed in any order. This course begins with an introduction to the cells and structures of the nervous systems. Current and past research and psychopharmacological methods are covered during the second portion of the course. Final topics include a detailed look into how visual, auditory, and motor functions are processed by the brain. The course includes a psychophysiological and neuroscience laboratory portion. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 255 Sport Psychology
This course introduces students to the theoretical perspectives and fundamental principles involved in the current research and practice in the field. Various dimensions of Sports Psychology will be covered, including the understanding of how psychological factors influence involvement, motivation and performance in sports and exercise settings, exploring the factors involved in improving performance, group dynamics, overcoming sports slumps, overcoming sports-related anxiety, and enhancing overall health and well-being. The course also offers students an overview of Sports Psychology as a meaningful profession. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 260V Sensation and Perception
This course covers present research theories of how our sensory organs function and how we perceive the world around us. The course begins with an overview of how sensation and perception research is conducted. The second portion of the course focuses on vision and how various cognitive processes lead to our discovery of our environments. The final portion of the course will explore the senses of audition, taste, smell, and touch. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 270 Cognitive Psychology
This course examines how humans process (i.e., acquire, store and use) information. The course addresses such topic areas as perception, attention, memory, knowledge organization, language comprehension and production, problem-solving and creativity. Time is spent examining current theories, research techniques and the effect these theories have on important practical problems in society. Hands-on projects are used to explore theories in depth. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 280G Global Health Psychology
This course will examine health psychology through a cultural lens. The course will compare European, Asian, and American approaches to health and medicine. A primary focus of the course will be on wellness models and disease prevention. Students will learn how chronic stress can negatively impact the immune and cardiovascular systems. The course will cover how diversity and culture influence cancer, cardiovascular disease, and HIV. Biological vulnerabilities impacting the likelihood of disease states will also be discussed and recommendations on how to live healthy will be explored. Group discussions of journal articles will provide the opportunity to investigate current health research recommendations. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 290 Introduction to Autism Spectrum Disorders
This course is for students interested in learning more about people with autism spectrum disorders. In this course students will gain an understanding of the characteristics and incidence of autism, and the implications for children's learning, behavior and ability to process information. Students will explore the latest research on potential causes, best practices for assessment and intervention, areas of impairment, as well as current issues related to autism services. 4 Semester Hours.

PSY 299 Special Topics in Psychology
See All-University 299 course description.

PSY 300G Movies and Madness
This course explores the ways people with mental illnesses and psychological disorders as well as those who treat them have been presented in feature films. The course examines the issue of stigmatization and marginalization of people with mental illness as a social problem exacerbated by misleading and negative images presented in the mass media. The course will also provide basic information about psychological disorders, the mental health system and various treatment approaches. Students will analyze film content, hear first person accounts of living with mental illness, and develop their own community education projects. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 305 The Psychology of Humor
The study of humor crosses into multiple psychological domains, including the cognitive, neurological, developmental, social, and positive psychology. This course offers students the opportunity to explore each of these different aspects and presents an overview of relevant past and current research in this growing field. Students will investigate historical and contemporary theoretical perspectives on humor, and how it is applied in different aspects of life. Prerequisite: PSY 110S or permission from instructor. 4 Semester Hours.

PSY 310 Child and Adolescent Psychopathology
This course introduces students to the field of Child and Adolescent Psychopathology. Both a historical and contemporary perspective of this field will be explored, with specific focus placed on theoretical models, etiology, and treatment of mental illness.

Current research, case studies, and in-class debate concerning contemporary issues allow for a rich overview of this growing and evolving field of study. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 320 Neuroscience: Behavior and Psychiatric Disorders
This course is part of a two course series examining the biological foundations of behavior which can be completed in any order. This course examines in closer detail how the brain and nervous system impact behavior. The course will begin with an overview of the central nervous system structures. The course will discuss life-sustaining processes such as how the brain regulates sleep, biological rhythms, reproduction, and emotion. Broader topics such as learning, memory, and cognition will be covered as well as how language and communication are handled by the brain. The course will conclude with an examination of neurological correlates of various psychological disorders. The course includes a psychophysiological and neuroscience laboratory portion. Prerequisites: PSY 110S. 4 Semester Hours.

PSY 325G Cultural Psychology and Neuroscience
This course will examine how our cultural structures can impact some of the basic tenants with the psychological and neural sciences. The course explores psychological differences beyond the East/West dynamic by discussing research from Europe, India, Latin America, Asia, Africa, and Oceania. Taking the global approach, students will learn how both the culture in which they are raised and the culture in which they current find themselves can influence their behaviors. The course will prepare students for a multicultural world by examining cultural influences on various fields of psychology and neuroscience such as emotion, personality, communication, thoughts of identity/self, cognition and mental health research. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 330 Drugs and Behavior
This course begins with an exploration of the neurobiological nature of chemical dependency. The course examines various models of chemical addiction as well as providing information about psychopharmacology. The second portion of the course examines various drugs and their impact on the brain-behavior relationship. The course closes with theories related to treatment and recovery. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 340 Animal Cognition
This course begins with an overview of the history of philosophical and scientific thought in relation to the debate about what kinds of mental abilities non-human animals have, if any. Past and current empirical research methodologies will be discussed as will findings regarding the existence and extent of self-awareness, memory, problem-solving and other cognitive processes in various species (including but not limited to birds, sea mammals, monkeys and apes). These findings will be discussed in terms of the research on human cognitive processes; however, the implications for the animals themselves will also be explored. Prerequisite: PSY 110S or permission of the instructor. 4 Semester Hours.

PSY 345 Human Sexual Behavior
The overarching objective of this course is to give students the information and skills they need to make intentional, thoughtful, informed decisions about their sexuality and sexual behavior. The intention is to provide students with practical information about sexuality including issues of sexual response, relationships, and communication. The course is designed to help students become more comfortable with talking about their own sexuality and that of others and, as a result, make them better decision-makers in sexual situations. A final goal of this course is to teach students how psychologists go about the difficult task of studying human sexual behavior, the methods they use, and some of the problems inherent in their work. 4 Semester Hours.

PSY 355 Introduction to Health and Wellness Coaching
his course is intended for students pursuing careers in clinical, medical, allied health, fitness, and corporate wellness settings. It will introduce students to the growing field of health and wellness coaching and discuss the various professional contexts in which it is being used. Over the course of the semester, the course will cover the major components of and techniques associated with health and wellness coaching practice and apply these in simulated coaching sessions. Prerequisite: PSY110S or Permission of Instructor. 4 Semester Hours.

PSY 360 Introduction to Counseling
This course is an introduction to the field of Counseling Psychology. This course has a two-tiered emphasis, including 1) an introduction to the classic and contemporary theoretical perspectives that serve as a foundation to the field, and 2) a focus on current issues, research, and trends that are shaping the field today. Students will also gain hands-on experience into the field of counseling through role-play activities in the department counseling offices. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 365 Group Therapy
The Group Therapy course is designed to provide students preparing to enter a helping profession with an understanding of the theory and practice of group therapy. In the course students will explore different theoretical approaches to counseling groups; basic principles of group dynamics, which include leadership tasks, group developmental stages, and member roles; and basic

group counseling skills including establishing, leading, and evaluating various types of counseling groups. Prerequisite: PSY110S. 4 Semester Hours.

PSY 380G Psychology of Gender
Women are from Venus, men are from Mars… or are they? This seminar explores the psychology of gender by examining psychological issues related to sex and gender. The class explores topics including: the nature and meaning of gender roles and gender stereotypes; research on gender similarities and differences with respect to cognitive, physical, personality and social functioning; how gender stereotypes and roles develop; the effects of gender stereotypes and roles on individuals, relationships, and society; and alternatives to traditional gender stereotypes, roles, and sexual orientations. Students are required to engage in regular intellectual discourse about course content and apply their knowledge of such content to real-world contexts via a service learning project. This course may have online sections available. Prerequisite: PSY 110S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 385G Psychology of Prejudice & Power
This is a seminar that investigates the nature of relationships/interactions between and within groups. These relationships are viewed using the lens and language of social psychology. Specifically, the historical and sociological contexts of issues like classism, heterosexism, racism, ageism, sexism, ethnocentrism and speciesism, among others, are discussed. Close attention is paid to how privilege can influence how we perceive ourselves and others within and outside our social/cultural group(s). Coursework involves readings from psychology and other disciplines, viewing relevant films, and experiential learning that is intended to result in higher levels of empathy and a broadened world view. This course may have online sections available. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PSY 390 Introduction to Marriage and Family Therapy
Marriage and Family Therapy (MFT) is a unique form of psychotherapy that focuses on relationships, interactional patterns, family dynamics, and mental health from a Family Systems perspective. This course is an introduction to the theory, practice, and research in the field of Marriage and Family Therapy. Students will explore both foundational and contemporary theories and practice the ability of applying this knowledge to individual, couple, and family case studies. Also, this course offers an overview and critical analysis of current research, as well the opportunity for students to both observe and demonstrate methods of intervention. Prerequisite: PSY 110S. 4 Semester Hours.

PSY 399 Special Topics in Psychology
See All-University 399 course description.

PSY 400 Senior Research I
This course, along with PSY 405 constitutes the major senior research project in the Psychology and Neuroscience majors. Students are required to work in groups to select a research question, review the relevant literature, develop materials for review by the IRB, and write and present a formal research proposal. Only students who have earned a C- or higher in the PSY 222 are permitted to begin their Senior Research course requirements (i.e., PSY 400 and PSY 405)Prerequisites: PSY 110S and PSY 222. (Cannot be taken concurrently with PSY 222). 4 Semester Hours.

PSY 405 Senior Research II
In this course, students will complete the research projects begun in PSY 400 by collecting and analyzing data and by writing a detailed research report according to American Psychological Association guidelines. Students will present their findings in a public forum. Prerequisite: PSY 400. (Cannot be taken concurrently with PSY 222). 2 Semester Hours.

PSY 420 The Origins of Psychology
This seminar explores the philosophical and physiological beginnings of the "new science" of psychology. Students are expected to 1) contemplate seminal questions about human nature posed by early philosophers, 2) see how early experimental psychology emerged from the fields of physiology and medicine, 3) be introduced to important figures and events in the various fields of psychology, and 4) explore the greater cultural and temporal paradigms that have shaped psychological theory from its beginnings to the present day. This course may have online sections available. Prerequisite: PSY 110S. Freshman and sophomore requirements for departmental majors are strongly recommended. 4 Semester Hours.

PSY 430 Stigma Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 431 Neuropsychology and Physiology Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 432 Human Development Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 433 Canine Cognition Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 434 Educational Psychology Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 435 Cognitive Experimental Research
This course involves the experimental investigation of problems in psychology, neuroscience, and/or human development under the supervision of a department member. Registration requires consent of the instructor. 1-4 Semester Hours.

PSY 485 Independent Study
This course involves an individual study of a special problem. Concentration may be on a research project or on a review of the literature in the problem area. Offered only upon request of the student who shows interest and initiative and with permission of the instructor. Prerequisites: PSY 110S. Variable credit, 1-4 Semester Hours.

PSY 494 Honors Thesis/Project
See All-University 494 course description.

PSY 499 Psychology Internship
This is an experience-based course in which the student spends an agreed upon amount of time in a social service or psychology-related organization in order to gain first-hand experience and develop an understanding of possible applications of psychology to that setting. Supervision will be jointly provided by the cooperating organization and the instructor of the course. Prerequisite: Permission of the instructor. Variable credit, 1-16 Semester Hours.

Public Relations

PRN 113 Event Planning
This course offers an introduction to the researching, planning, coordinating, marketing, management, and evaluation of special events in public relations, marketing, and business promotions. The course will explore practices that are critical for successful event planning and at the end of the course, students will have developed a repertoire of skills to become strategical and effective event planners. 2 Semester Hours.

PRN 150 Strategical Public Relations I
This course will introduce students to one of the most important functions of an organization – building relationships with all stakeholders, such as employees, customers, community, and the media In this course, students will: define public relations and identify its role in relationship-building; examine the history of public relations and recognize its importance in shaping today's practice; distinguish amongst the stages in the RPIE public relations problem-solving model; locate secondary research using databases; and apply ethical decision-making models, including the PRSA Code of Ethics, to ethical business dilemmas. 2 Semester Hours.

PRN 250 Strategical Public Relations II
This course offers students the opportunity to further their understanding of the practice of public relations, which involves stakeholder relationship-building. In this course, students will explore theories and frameworks used to develop strategical and ethical relationships, conduct primary research for issues management and audience segmentation, identify persuasive appeals, and develop a strategical and ethical awareness program for a local nonprofit organization based on the RPIE public relations problem-solving model. Prerequisite: PRN 150. 2 Semester Hours.

PRN 271 Media Copywriting
This course will introduce students to the study of advertising and the creation of advertising messages. Throughout the course, students will learn skills that will help them understand the role of advertising in integrated marketing communications –

important for all communication, public relations, and marketing students. Students will utilize Creative Work Plans that will help them develop strategical, persuasive, and ethical copywriting pieces. 4 Semester Hours.

PRN 310 Public Relations Writing
Students will develop both internal and external writing associated with the field of public relations. Students will write and create public relations materials in print, broadcast, and social media. Prerequisites: PRN 150 and PRN 250. 4 Semester Hours.

PRN 320V Public Relations Cases
In Public Relations Cases, a Values and Reasoning Exploration course in the Integrative Curriculum, students will be exposed to the processes of reasoning and value systems as applied to complex organizational situations. Students will be utilizing a systemic approach to analyze and evaluate how organizations develop public relations campaigns to create and maintain ethical relationships, based on global social responsibility, with all stakeholder audiences. Students will also research, analyze, and propose solutions for a current issue affecting public relations practitioners in the field. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

PRN 455 Public Relations Campaigns
This course allows students to apply their public relations knowledge, including theories, frameworks, and tools, by formulating a comprehensive and strategic professional public relations campaign for a client in the local community. This will include: conducting research to determine and assess client needs and stakeholders; developing program objectives, strategies, and tactics; creating all communication incorporating both traditional and social media; and identifying evaluation methods to measure the effectiveness of the program. Additionally, students will apply best principles of effective group interaction and problem-solving in an "agency setting" while producing the campaign. Prerequisites: PRN 150, PRN 250, PRN 310, PRN 320V, and senior standing. 2 Semester Hours.

PRN 499 Internship in Public Relations
An experience-based course in which students are enrolled once they have secured a position in an appropriate business or agency where previous classroom learning may be integrated with work in their major discipline. The specific location, program, and method of education are provided in a contract drawn between the student, the department faculty internship coordinator and the host internship supervisor. Specific restrictions apply. Departmental approval is required prior to registration for this course. Graded S/U. 1 – 16 Semester Hours.

Religious Studies

REL 120H Reel Religion: Religion and Human Experience
This course includes an examination of religion and religious traditions as an academic endeavor. Students will examine religious views and values through engagement with and evaluation of film, literature, and other aspects of culture. Through intensive discussion and corresponding written assignments, students will discover and wrestle with religious themes, symbols, and concepts. The purpose of the course is to develop in the student a heightened awareness of the significance of religion in human life and culture. 4 Semester Hours.

REL 130H Religions of the World
This course is an introductory study of the role of religion in the world across different cultural contexts. It will focus on the questions that humans have asked throughout the ages: What does it mean to be human? What is the nature of the divine? How do we come to understand the world? How do we treat one another? How do we approach the divine? We will explore how different religions address these issues through beliefs, rituals, and ethics. 4 Semester Hours.

REL 200H Biblical Texts and Contexts
This course involves a close reading of biblical texts, which will be examined in light of literary, historical, social, and religious contexts. The course will address enduring questions raised by the text, including creation, suffering, community formation, ethics, and salvation. Students will learn and practice several critical methods of analysis, including the concept of social location. 4 Semester Hours.

REL 240H Interreligious Understanding for Healthcare
Healthcare professionals encounter religiously diverse individuals when treating patients and as well as engaging colleagues. Religious and spiritual identities are important when treating the whole patient and in bringing your full self as a healthcare provider. We will address both aspects of interreligious understanding: reflecting on how your personal worldview affects your view of health and care of persons and learning tools to interact positively with persons who hold different worldviews. We will consider questions such as: How is your faith affected by engaging with people of various religions? How does religious diversity influence our understanding of best practices in healthcare? Do members of marginalized religions receive the same respect as those of the

dominant religion in healthcare? We will study various religious traditions, their views of health, medicine, and death through a variety of means, including case studies. 4 Semester Hours.

REL 300V War, Peace, and Power in the Bible
Holy War, ethnic identity, political coups, and sexual scandal--these issues make the headlines in today's news but also form a significant part of the Bible. This course will explore issues of war, peace, power, and identity, as they are embodied in the historical books in the Bible: Joshua, Judges, 1-2 Samuel, 1-2 Kings. Through close study of these texts, students will explore historical, political, theological, and cultural issues in ancient Israel, as well as considering the continuing significance of the texts and issues in today's world. The course will consider issues of gender, identity, religion, and context for interpreting and applying biblical texts. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 310V Jesus and the Gospels
This course will focus on the New Testament Gospels of Matthew, Mark, Luke, and John, introducing critical methods in the study of the gospels. It will also address non-canonical texts and the study of the historical Jesus. Particular emphasis will be given to the historical, literary, and theological context of the gospels and the understandings of Jesus that arise from them. The portrayal of Jesus in music, art, and popular culture will also be explored. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 325V Christianity
This course explores the Christian tradition. Attention will be given to the emergence of Christianity out of a 1st century Jewish context, the life and teachings of Jesus of Nazareth, theological categories of Christian faith and practice (such as ecclesiology, the Trinity, sacraments, the Atonement), and the major divisions and denominations of Christianity. Some attention will be paid to the realities of contemporary Christianity in the United States and in the broader global context as well. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 335V Native American Spirituality
Native American Spirituality explores some of the broad contours of Native American spiritual life. The course will examine samples of Native American concepts such as the unity of all things living, the inter-connectivity of peoples everywhere, the relationship between people, plants, animals and the earth. The course will also focus on the lives of the Hopi and the Navajo.
Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 340V Christian Social Ethics
This course is an introduction to Christian ethics which stresses its social dimensions and addresses such issues as politics, human sexuality, economics and environmental problems. Students will have the option to research an ethical issue of their choice or to complete a semester-long service-learning project. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 345G The Black Church
This course surveys the growth and development of the Black Church by examining various modes of Christian worship and aspects of the Black Church. As such the course will examine the role of women, the place of the Bible, how public discourse is handled, preaching, role of music and the arts. The course will study the impact the Black Church has had on the Black community. This survey nature of this course will further the learning goals of the department in that the student has to demonstrate an understanding of the major ideas and tenets of the Black Church and understand the use of text and the oral tradition. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 350G Death and Dying
The first half of this course surveys ideas about death and dying as found in both Western and Eastern religions and philosophies. The second half of the course is devoted to such practical and ethical issues as suicide, euthanasia, capital punishment, the grieving process, the funeral industry, living wills, hospice care, and the near death experience. Emphasis is placed throughout the course on how the inevitability of death encourages us to live more intentionally and meaningfully. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 360G Religious Conflict and Peace-Building
This course investigates the role that religion plays in conflict and peace-building. Through a case-study approach in analyzing selected conflict zones, both past and present, the course explores the complexity of such conflicts and the role of religion in exacerbating or alleviating conflict. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 370G Gender and Religion
In this course we will examine the role of the body in religion. Although religion is often associated with the spiritual realm, humans are embodied creatures, and all religions have to account for that physicality in some way. We will pursue questions of gender, sexuality, (dis)ability, disease, and health as they relate to concepts such as purity, the sacred, and spirituality. We will engage these questions across different cultural and religious contexts, in texts, institutions, and rituals. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

REL 490 Travel Seminar
The Travel Seminar will normally consist of in-class instruction and a travel component, although occasionally academic instruction will be included as part of the travel component. Full participation in the Travel Seminar will be required to pass the course. 2 or 4 Semester Hours.

REL 495 Independent Research
Involves an extensive research project under the guidance of a faculty supervisor. The independent research may include an extended service-learning or related experiential learning project framed by additional and relevant scholarly work. Independent research projects require submission and acceptance of a proposal to the department before the research can begin. 2-4 Semester Hours.

REL 499 Internship in Religion
This course provides the framework in which students can gain field experience in churches, church agencies, or other social institutions approved by the department chairman. The internship can provide a variety of pre-professional work experiences, e.g., parish administration, radio ministry, institutional chaplaincy, etc. Written application should be made to the internship coordinator (department chairman) during the first two weeks of the semester which precedes the internship. Graded S/U. 2-8 Semester Hours.

Sociology

SOC 100S Introduction to Sociology
A survey of the basic concepts, methods and principles used in the scientific study of human interaction. Emphasis is on such distinctively sociological concepts as socialization, social stratification, social organization, minority groups, deviant behavior and social change. 4 Semester Hours.

SOC 130 Introduction to Social Services
A study of contemporary social service organization and practice in private and public agencies. 4 Semester Hours.

SOC 199 Special Topics
See All-University 199 course description.

SOC 200 Contemporary Social Issues
A study of the major social issues in American society. Among the issues considered are aging, the environment, terrorism, family violence, gender roles and minority group relations. 4 Semester Hours.

SOC 205 Juvenile Delinquency
This course is an examination of children and crime. It includes an overview of the theoretical models that explain delinquency and an examination of how these models relate to our social institutions and to juvenile corrections. 4 Semester Hours.

SOC 210 Careers in Sociology
This course is a practical examination of careers in sociology. It will include guest speakers who are practitioners in sociology and allied professions. Assignments will be designed to improve student understanding of various career opportunities and improve student ability to pursue those opportunities. Prerequisite: SOC 100S. 4 Semester Hours.

SOC 215 Drugs and Society
This course examines the impact of substance use and abuse on the user, the user's interpersonal relationships, as well as on society, as a whole. Also, the course examines the history and philosophy of various regulatory efforts, their successes and failures, and the impact of those on society. 4 Semester Hours.

SOC 220 The Many Faces of Poverty
Poverty is one of the most persistent social problems in America. And it is a social problem that causes or impacts many other social conditions in America. Depending on the definition used to measure poverty, between 14 percent and 20 percent of Americans live in poverty. This course covers the social characteristics of the poor, the impact of poverty on personal life chances, and the social consequences of poverty. Analysis is also provided of societal attempts to address poverty. 4 Semester Hours.

SOC 225 Family Violence
An examination of family violence from sociological, legal and medical perspectives. Considers major issues related to family violence including types, predictors and consequences. Also evaluates the strategies that are used by professionals to study, detect, intervene, treat and prevent family violence. 4 Semester Hours.

SOC 235 Stress and Wellbeing
An examination of how the social environment affects health. Investigates stress processes that are rooted in social structures including race, class, gender, age, work and family. Examines how such characteristics and conditions help explain the unequal distribution of health. 4 Semester Hours.

SOC 240 Sex, Love, and Relationships
An examination of the process of forming adult relationships in the U.S. including gender role development, dating, mate-selection, love, sexuality, marriage or alternative relationship choices, and parenthood in sociological perspective. 4 Semester Hours.

SOC 245 The Sociology of Education
This course identifies how various political, economic, and cultural forces influence educational institutions in the American society. Further analysis is directed to analyzing the sociological factors that influence the internal workings of the school and the classroom and the factors that impact how students experience the educational process. 4 Semester Hours.

SOC 250 Medical Sociology
An examination of health, illness, and medical care from the sociological perspective. Topics include social epidemiology; health and illness behavior, socialization of health professionals; health care provider /patient relationships; and the organization of health and medical care. 4 Semester Hours.

SOC 260 Social Gerontology
An introduction to the process of human aging with particular emphasis on their social and social psychological aspects. Included in the course are examinations of the processes of aging, problems of the aged and demographic characteristics of the aged. 4 Semester Hours.

SOC 270 Urban Sociology
This course introduces you to historical, theoretical, and empirical perspectives on urban development and urban life. More specifically, we will examine (a) sociological theories of "urbanization" and "urbanism", (b) the history of urbanization and the place of the city in the modernizing process, (c) the nature of urban and suburban life, (d) urban structures and populations, and (e) the politics and policies that attempt to cope with contemporary trends and conflicts. Prerequisite: SOC 100S. 4 Semester Hours.

SOC 275 White Collar Crime
The course is designed for Sociology, Criminal Justice, Business, and Accounting majors and explores the various types of white collar crime. The course examines both occupational crimes (which benefit the offender) and corporate crimes (which benefit the company). The causes of these crimes, motives of offenders, and the history of laws governing these offenses are discussed. Finally, the methods used by business and government to deter, investigate, and prosecute these crimes are included. 4 Semester Hours.

SOC 299 Special Topics
See All-University 299 course description.

SOC 310 American Families
Both an historical and contemporary examination of the family system in America from marriage through death or divorce. Includes discussions about marital commitment, adjustment, satisfaction and sexuality as well as child rearing, family violence and abuse. Prerequisite: SOC 100S. 4 Semester Hours.

SOC 315 Penology
This course is the study of how and why we punish. Students will examine explanations for punishment, helping them to develop a critical perspective on contemporary debates concerning the philosophy and practice of punishment, including the structure, organization and major problems of the penal system in the United States and internationally. Prerequisite: CRJ 105. 4 Semester Hours.

SOC 320 Sociology of Gender
A study of the cultural norms and social roles which govern gender relationships in contemporary American society. The course examines origins of masculine and feminine gender roles, the nature of sexism, and changing gender roles in families, occupations, politics and religion. Prerequisite: SOC 100 or GEN201. 4 Semester Hours.

SOC 325 Organizational Analysis
An examination of bureaucracy, decision making, communication, leadership, power relations and the environmental context for both business and service organizations. This course includes a 15hr field practicum. Prerequisites: SOC 100S or junior standing and permission of instructor. 4 Semester Hours.

SOC 330G Minority Group Relations
An examination of the social and structural relationships between racial, ethnic, religious, sexual and other stigmatized groups and the dominant society in America. Prerequisite: SOC 100S. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

SOC 345 Deviance
Emphasis is upon examination of the major theoretical explanations of deviant behavior and the empirical evidence supporting these perspectives. Prerequisite: SOC 100S. 4 Semester Hours.

SOC 350 Grants and Planning
This course introduces students to the professional skills required of social scientists working in applied settings. In particular, the course emphasizes the development of both theoretical and practical knowledge associated with grant writing, strategic planning and other philanthropic-related skills required of social scientists working in both non-profit and for-profit organizations. Prerequisites: SOC 100S or PSY 110S and junior standing. 4 Semester Hours.

SOC 364 Social Science Research Methods I
This course will familiarize students with the research methods that are used in the social and behavioral sciences. This includes issues related to research design, measurement, and data collection. Attention will be given to both qualitative and quantitative approaches. 4 Semester Hours.

SOC 365 Social Science Research Methods II
This course will introduce students to basic statistical procedures necessary for social science research with quantitative data. Students will also learn data entry and management, conducting statistical analysis and interpreting results utilizing SPSS program. Prerequisite: satisfactory score on the mathematics placement exam or MTH 100. 4 Semester Hours.

SOC 375 Sociological and Criminological Theory
A study of sociological theory from Comte to the present with emphasis upon the major schools of sociological theory and the main contributions of outstanding sociologists. Prerequisites: SOC 100S and junior or senior standing. 4 Semester Hours.

SOC 384 Diversity: Intercultural Communication
A study of human communication across cultures focusing on the variables that influence interaction when members of different cultures come together. 4 Semester Hours.

SOC 399 Special Topics
See All-University 399 course description.

SOC 490 Senior Culminating Experience
This course involves planning and developing an original research project. Topics and activities include developing research questions, examining theoretical issues, reviewing literature, articulating hypotheses, and describing the methods that are used to answer research questions. In developing and presenting a research proposal, students will incorporate knowledge gained from previously-taken sociology courses. Prerequisites: SOC 100S, SOC 210, SOC 364, SOC 365, and SOC 375. Cross-listed as CRJ 490. 4 Semester Hours.

SOC 494 Honors Thesis/Project.
See All-University Honors course description.

SOC 499 Field Work Internship
See All-University 499 course description. Cross-listed as CRJ 499. 1-16 Semester Hours.

Spanish

SPN 101 Elementary Spanish I
A course designed to develop listening, speaking, writing, and reading skills in Spanish as well as cultural competency in the Hispanic world. SPN 101 is intended for students with no prior knowledge of Spanish or those who have had 2 years or less of high school Spanish. Prerequisite: none. 4 Semester Hours.

SPN 102 Elementary Spanish II
A course designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish as well as cultural competency in the Hispanic world. Successful completion of this course satisfies the World Language Proficiency requirement. Prerequisite: While there is no specific prerequisite for this course, a basic knowledge of first-semester Spanish or 2 or more years of high school Spanish is highly recommended. 4 Semester Hours.

SPN 201 Spanish-language Cinema
A course designed as a general review of Spanish grammar structured around films from the Spanish-speaking world. This course is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 202 Introduction to Hispanic Literature
A course designed as a general review of Spanish grammar structured around readings from the Spanish-speaking world. This course is designed to enhance and further develop listening, speaking, writing and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 203 Introduction to Hispanic Civilization
A course designed as a general review of Spanish grammar structured around the history and contemporary societies of the Spanish-speaking world. This course is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 204 Introduction to Hispanic Theatre
A course designed as a general review of Spanish grammar structured around plays from the Spanish-speaking world. This course is designed to enhance and further develop listening, speaking, writing and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 205 Spanish and Spanish-American Pop Culture
A course designed as a general review of Spanish grammar structured around music, films, and readings from the Spanish-speaking world. This course is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 206 Spanish through Food or Popular Cuisine of the Spanish-speaking World
A course designed as a general review of Spanish grammar structured around readings, videos, films, and blogs from the Spanish-speaking world as they relate to the food and cultures of specific regions. This course is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 207 Spanish-language Mysteries
A course designed as a general review of Spanish grammar structured around readings, videos, films, and blogs from the Spanish-speaking world that deal with popular mysteries. This course is designed to enhance and further develop listening, speaking, writing, and reading skills in Spanish with a heavy emphasis on culture. 4 Semester Hours.

SPN 208 Medical Spanish I
A thorough review of Spanish grammar with a focus on medical Spanish and cultural differences among Hispanic patients. This course may include a service-learning component. 2 Semester Hours.

SPN 209 Medical Spanish II
A continuation of SPN 208. A thorough review of Spanish grammar with a focus on medical Spanish and cultural differences among Hispanic patients. This course may include a service-learning component. 2 Semester Hours.

SPN 210 Travel Seminar
In this course students will participate in a faculty-led trip to a Spanish-speaking location. 1-4 Semester Hours.

SPN 220 Gender and Ethnicity in Spanish-American Literature
An exploration of gender and ethnicity as revealed through Spanish-American literature supplemented by postcolonial writings that will examine these themes within a global context. Emphasis will be placed on viewing the texts from the perspective of women and minorities. 4 Semester Hours.

SPN 290 Spanish Conversation Practicum
This course offers students the opportunity to develop conversational speaking skills in Spanish. Course graded S/U only. May be repeated for additional credit. 1-2 Semester Hours.

SPN 301 Spanish for Traveling and Living Abroad
An intensive course designed to enhance reading, writing, listening, and speaking skills in everyday Spanish with strong cultural and grammatical components oriented toward preparing the student for an extensive stay in a Spanish-speaking country. Prerequisite: One course from the intermediate level that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 302 Spanish for the Professions
An intensive course designed to enhance reading, writing, listening and speaking skills in everyday Spanish with strong cultural and grammatical components oriented toward preparing the student for employment in a business, agency or institution where proficiency in Spanish is expected. Prerequisite: One course from the intermediate level that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 303G Hispanic Perspectives on U.S. Society
A review of writings describing and analyzing U.S. society from the viewpoints of Spanish and Spanish-American authors. Possible topics include, but are not limited to, Hispanic perspectives on U.S. politics, educational systems, commercial practices, daily customs, religious beliefs, and history. Prerequisite: One course from the intermediate level that is taught in Spanish or permission of the instructor. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

SPN 304 Spanish Across the Curriculum
This course will encourage students to develop their Spanish language proficiency across disciplines. Students will study authentic Spanish-language materials as they relate to materials in another course. Prerequisite: One course from the intermediate level that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 305 Translating Spanish
A study, analysis, and practicum of the techniques of translating from Spanish to English and English to Spanish including the use of software and the Internet. Prerequisite: One course from the intermediate level that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 306 Spanish-American Readings
A survey of the literature of the Spanish-speaking countries in the Americas. Prerequisite: One course from the intermediate level or above that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 307 Hispanic Art and Cinema
A study of Hispanic cinema, painting, and music as sociocultural products of their time. Prerequisite: One course from the intermediate level or above that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 308 Peninsular Spanish Readings
A survey of the literature of Spain including works from different literary movements. Prerequisite: One course from the intermediate level or above that is taught in Spanish or permission of the instructor. 4 Semester Hours.

SPN 309 Conversational Spanish for Medical Practitioners I
A conversation practicum with a focus on medical Spanish and cultural differences among Hispanic patients. This course includes a service-learning component. Prerequisite: SPN 209, an equivalent course, or five years of high school Spanish or permission of the instructor. 2 Semester Hours.

SPN 310 Conversational Spanish for Medical Practitioners II
A continuation of SPN 309. A conversation practicum with a focus on medical Spanish and cultural differences among Hispanic patients. This course includes a service-learning component. Prerequisite: SPN 309, an equivalent course, or permission of the instructor. 2 Semester Hours.

SPN 350 Internship
This course provides an experiential learning activity designed to provide students with opportunities to connect language learning in an academic setting with the requirements of a professional work environment. Internships provide students with relevant work experience and professional networking opportunities. Internships are completed under the guidance of an on-site supervisor and a faculty sponsor. 1-4 Semester Hours.

SPN 385 Methods of Teaching Spanish
A practical and theoretical methodology course which emphasizes lesson planning, writing instructional objectives, assessment, curriculum design, and a study of methodologies and materials relevant to the teaching of Spanish in the elementary, middle, and secondary schools. The course emphasizes the core guidelines of the American Council on the Teaching of World Languages and relates instructional planning to Ohio's Model for a Competency-Based Program in World Languages. This course must be taken prior to or concurrently with Multiage Student Teaching and SPN 386. This course does not count toward the requirements of the major or minor in Spanish. Prerequisites: Successful completion of one 300-level course in Spanish and permission of the instructor. 4 Semester Hours.

SPN 386 Practicum in the Teaching of Spanish
A practicum designed to put into immediate practice theories and strategies discussed in SPN 385. The student will serve as a teaching assistant in an elementary or intermediate course in Spanish in the Department of World Languages and Cultures. It is recommended that this course be taken concurrently with SPN 385. This course does not count toward the requirements for the major or minor in Spanish. Prerequisites: Successful completion of one or more 300-level courses in Spanish and permission of the instructor. 2 Semester Hours.

SPN 387 Teaching Spanish in the Elementary School
This course is a practicum designed to make available to the teacher candidate in Spanish a practical field experience at the elementary school level. Under the direct supervision of world language faculty, the teacher candidate will participate in a FLES program at a local elementary school for one semester. It is recommended that this course be taken concurrently with SPN 385. This course does not count toward the requirements for the major or minor in Spanish. Prerequisite: Permission of the instructor. 1 Semester Hour.

SPN 401 Advanced Special Topics
Topics may vary. May be repeated for credit. Consent of instructor required. Prerequisite: One course at the 300 level or permission of instructor. 4 Semester Hours.

SPN 485 Teaching Assistant Practicum – Spanish
Intended for Spanish-language teaching assistants only. This course may be repeated for additional credit. 6 Semester Hours.

Spectrum Education Center Internship

SPE 200 Introduction to Developmental Disorders
In this course students will learn about the philosophies, terminologies, and concepts that will enable them to work more effectively with people who have developmental disabilities. Students will get the foundational knowledge needed for teaching, assisting, and working with people with disabilities. They will learn how to identify different behavioral patterns and implement effective strategies to manage challenges. 4 Semester Hours.

SPE 205 Registered Behavior Technician Training
This course provides a practical working knowledge of the basic principles of Applied Behavior Analysis (ABA) as approved by the Behavior Analytic Certification Board (BACB). Students who complete this course are prepared to take the board certification exam and begin work in the field. 2 Semester Hours.

SPE 210 PEERS Program Mentor Training
This course is designed for undergraduate students who wish to work with adolescents on the autism spectrum. The experiential learning component of this course is conducted as part of the PEERS (Program for the Education and Enrichment of Relational Skills) Program, which is offered through the Spectrum Education Center. PEERS is an evidence-based social skills intervention program for adolescents who are interested in learning ways to help them develop friendships. Students in this course learn and practice implementing social skill interventions. 2 Semester Hours.

SPE 499 Spectrum Education Center Internship
This is an experienced-based course in which students spend 6-24 hours (dependent on credit hours) per week working with a site that provides services for people with developmental disabilities. Supervision is jointly provided by the cooperating site and the Spectrum Education Center. Graded S/U. 2-8 Semester Hours.

Sport Business

SPB 100 Introduction to Sport Business
An investigation of the principles of the sport and recreation business. 4 Semester Hours.

SPB 199 Special Topics in Sport Business
See All-University 199 course description.

SPB 210 Analytics, Business Intelligence & New Media in Sport
This course explores basic concepts and the role analytics, business intelligence and new media play in sport. Throughout the course, discovery and communication of meaningful patterns in data are reviewed and applied to improve sport business performance. The course also explores the evolution of digital media technologies and their impact in sport business and considers tools to measure engagement and activity. Prerequisite: SPB 100 or permission of instructor. (offered fall and spring semesters). 4 Semester Hours.

SPB 230 Introduction to Sport Sales
Sport businesses succeed based upon their ability to generate revenue. Focusing primarily on ticket sales, this course examines the importance of sales to a sport organization, introduces the steps and strategies of the sales process, and looks at the legitimacy of sales as a career path. Prerequisite: SPB 100 or permission of instructor. 4 Semester Hours.

SPB 275 Sport Journalism
This course is designed to introduce students to sports journalism in the modern era (21st century). This writing intensive course provides a broad overview of the ever-changing sports media field, discusses journalists as public figures, explores the role of the Internet in covering sports and analyzes the 24-hour news cycle and its effects on journalists and the public figures they cover. 4 Semester Hours.

SPB 290 Practicum in Sport Business I
Sport Business majors must complete two practicums in two separate courses. A minimum of 40 work hours is required for the one semester hour practicum credit. Prerequisites: SPB 100 or permission of the instructor. 1 Semester Hour.

SPB 305 Travel Seminar
A guided study tour of a domestic or international nature. Emphasis is on site visitations and presentations by administrators and experts in those agencies and institutions. The course incorporates a degree of flexibility in order that it may serve a variety of situations involving foreign on-site study. In addition to the tour, seminar attendance (prior to tour), background study, writing projects and research are required. Prerequisite: Permission of the Instructor. 1-4 Semester Hours.

SPB 320 Recreation Management
This course is designed to provide students with a comprehensive understanding of recreational management with a focus on campus and municipal recreation. This course will provide students with the skills and knowledge to plan recreation programming, funding, budgets, facilities, risk management, and training programs. Prerequisite: SPB 100 or permission of the instructor. 2 Semester Hours.

SPB 330 Public Relations and Marketing of Sport
An overview of the role, theory and application of public relations strategies and techniques in the sport industry. Also considered is the application of marketing theory and sponsorship to the sport business. This course provides knowledge of product, price, promotion, place and distribution in a defined market segment. Prerequisites: SPB 100, SPB 210, and MKT 220 or permission of the instructor. 4 Semester Hours.

SPB 350 Event and Venue Management in Sport
This course will introduce and have students apply several aspects to sports events and facility management within the parks, recreation, and sports industry while gaining practical experience. This course will cover the following aspects regarding the management of sports events/facilities: organization and operating principles, policy and procedure development, budgeting, risk management, program creation, and special event planning. Students will also begin envisioning the process involved in constructing or renovating a sports facility. Prerequisites: SPB 100 and SPB 230 or permission of the instructor. Students who have already completed SPB-200 are not eligible to enroll in this course.
4 Semester Hours.

SPB 370 Intercollegiate Athletic Administration
This course is designed to give students a comprehensive understanding of intercollegiate athletics in today's sport industry. Focus will be placed on current issues, management, governance, budgeting, personnel, ethics, collegiate career development and student-athlete welfare. This class is designed to prepare student interested in careers within intercollegiate athletics. Prerequisites: SPB 100 and SPB 350, or permission of the instructor. 4 Semester Hours.

SPB 380 Sport Entrepreneurship
Management techniques of private sport clubs are studied in order to prepare the student to start and manage this type of business, i.e., golf courses, racquet and tennis clubs, fitness centers. Prerequisites: SPB 100 or permission of the instructor. 4 Semester Hours.

SPB 390 Practicum in Sport Business II
Sport Business majors must complete two practicums in two separate courses. A minimum of 60 work hours is required for the one semester hour practicum credit. Prerequisites: SPB 100 and SPB 290. 1 Semester Hour.

SPB 399 Special Topics in Sport Business
See All-University 399 course description.

SPB 410 Finance and Economics of Sport and Recreation
Understanding the factors and ramifications of financial issues with respect to sport and recreation. Addressed will be economic principles, financial resource management, economic impact analysis, stadium financing and grant acquisition. Prerequisite: SPB 100, SPB 210, SPB 230, SPB 350, ACC 205 and junior/senior standing OR permission of the instructor. 4 Semester Hours.

SPB 450 International Sport Business and Administration
Attention is focused upon sport business that crosses country borders. Aspects of the course will sensitize the student to the cultural and political nature of sport. Regional and global sport associations will be explained and discussed. Prerequisites: SPB 100, SPB 330, SPB 350. or permission of instructor. 4 Semester Hours.

SPB 460 Senior Research in Sport Business
A research project incorporating concepts learned in sport business curriculum. Open only to majors in sport business. Prerequisites: Senior standing and permission of instructor. 1 Semester Hour.

SPB 494 Honors Project
See All-University 494 course description.

SPB 499 Internship in Sport Business
An experience-based course in which the student spends a specified amount of time with a sport or recreation agency or organization in order to gain experience and to understand the application of sport administration and facility management in this setting. Supervision will be jointly provided by the cooperating organization and the University departmental staff. Prerequisites: At least junior standing and permission of the instructor. 1-16 Semester Hours.

Sustainability

SUS 100 Introduction to Sustainability
This course will examine what is meant by the term sustainability and will provide foundational knowledge of the principles of sustainable development as a possible way to balance social, environmental, and economic equity. This course will draw upon a diverse set of case studies and issues of concern from around the world to illustrate the complexity of sustainability issues and their implicit trade-offs. These include but are not limited to poverty, hunger, education, industry and resource use and availability, responsible consumption and production, affordable and clean energy, biodiversity impacts, planetary degradation, climate change, and local community-government partnerships. 2 Semester Hours.

SUS 400 Sustainability Seminar
This course will provide students the opportunity to demonstrate a cohesive body of knowledge was developed through the progression of the minor. It will enhance the student's ability to connect the core concepts and theories of sustainability to their specific disciplines. This course will require collaboration among the interdisciplinary group of students to apply systems thinking and problem-solving to an identified sustainability issue. The students will be required to research the identified issue, identify appropriate partners and stakeholders, and formulate a plan or solution that is a synthesis of equitable economic growth, social well-being, and thriving natural systems. Prerequisite: SUS 100 and an additional 8-credit hours of approved electives, or permission of instructor. 4 Semester Hours.

Theatre

THE 121 Dance Fundamentals
This course focuses on the fundamentals of dance and requires active participation in exercises and choreography designed to establish basic proficiency in specific genres of dance, such as Ballet, Jazz/Musical Theatre, and Modern. May be repeated. Dance style may rotate by semester. 1 Semester Hour.

THE 141 Lighting Craft
The purpose of this course is to help students develop a basic understanding of the backstage activities and terminology of the theatre—basic electrical theory and the technical aspects of theatrical lighting will be emphasized. Offered spring semester of odd years. 2 Semester Hours.

THE 142 Stage Craft
The purpose of this course is to help students develop a basic understanding of the backstage activities and terminology of the theatre - theatrical scenery construction and rigging techniques will be emphasized. Offered spring semester of odd years. 2 Semester Hours.

THE 143 Costume Technology
An introduction to the process and technical aspects of theatrical costuming including pattern development, garment construction, fabric coloring and decoration, accessory construction, millinery, and shoe making. Offered spring semester of even years. 2 Semester Hours.

THE 144 Stage Make Up
A study of the basic principles and techniques involved in creating character make-up for the stage, including various make-up media, emphasis and de-emphasis of facial features, aging techniques, prosthetics, hairpieces, and special effects. Offered spring semester of even years. 2 Semester Hours.

THE 150 Acting I
An introductory course in the theory and practice of acting for the stage. Includes consideration of playscript analysis, basic performance techniques and development of the actor's instrument: voice, body and imagination, stage composition, movement, picturization and the work of the production team. Extensive use of practical exercises and scene presentations. 4 Semester Hours.

THE 155 Stage Combat
This introductory stage combat course focuses on creating the illusion of violence for the stage and screen. Basic instruction is given in unarmed and armed stage fighting. Emphasis is on the development of technique; the process of the work, and the performance, with a focus on safety, accuracy, and the fundamental techniques recognized by the Society of American Fight Directors (SAFD). Basic techniques will be incorporated into short scenes to provide experience performing fights in production. 4 Semester Hours.

THE 200A People, Society and Theatre
This course is an introduction to the exciting, complex, and collaborative process of theatre. Comprised of the work of a number of dedicated passionate people (playwrights, producers, directors, designers, actors, and technicians), encompassing historical traditions, and drawing from old and new scripts, theatre culminates in a live performance in front of a live audience, both in the same place at the same time. In this class, we will examine and consider the history, the choices, and the process which results in the production. 4 Semester Hours.

THE 205A The History of the American Musical Theatre
From the Black Crook (1866) to Spiderman: Turn Off the Dark (2011), musical theatre has been an integral part of not only the world of theatre, but the world at large. Although all-too frequently regarded as "fluff entertainment," musical theatre has been responsible for significant social observation and change. From the issues of racism in Showboat (1927) to the questions of AIDS in Rent (1996), unemployment in The Full Monty (1997) and sustainability in Urinetown (2001), musical theatre has often offered

the ticket-buying public the palatable opportunity to examine tough issues from a safe place. This course will examine the history, impact, and the effects of musical theatre. 4 Semester Hours.

THE 210 Travel Seminar
In this course, students will participate in a faculty-led trip to a site of theatrical significance, i.e. London, Paris, New York City, Los Angeles. Graded S/U. Variable 1-4 Semester Hours.

THE 221 Intermediate Dance
Students in Intermediate Dance will build on proficiencies established in Dance Fundamentals I. This course focuses on a deeper examination of Ballet, Jazz/Musical Theatre, and Modern Dance or Tap. May be repeated. Dance style may rotate by semester. 1 Semester Hour.

THE 225 Creative Dramatics
A study of the theories and methods involved in using improvisation, theatre games, and other creative dramatic techniques as an approach to teaching theatre and developing theatrical productions. 4 Semester Hours.

THE 230A Shakespeare from Page to Stage
This course explores Shakespeare's plays as both literary texts and performance scripts. Students will read, analyze, and interpret selected plays while also considering their staging in Shakespeare's time and in contemporary performance. Emphasis will be placed on how interpretation changes when words move from page to stage, including attention to performance history, adaptation, and the cultural politics of production. Students will engage in both critical analysis and practical performance-based assignments. 4 Semester Hours.

THE 240 Theatre Management
Theatre is a complex collaborative art form requiring many parts, that have been working extensively on their own, to come together in a very short period of time. The people who are responsible for the effectiveness of this coalesce are the Theatre Managers. This course is designed to introduce students to the fields of Production Management, House Management, Company Management, and Stage Management. We will learn organization, estimation, and other project management skills and practically apply these skills through stage management exercises. 4 Semester Hours.

THE 255 Voice and Movement for the Actor
An exercise-based course strengthening the external components of performance: voice and body. Coursework will seek to develop a complete performer with a vibrant and resonant voice, along with a controlled and engaged body awareness. 4 Semester Hours.

THE 256 Improvisation
This course will teach and strengthen the fundamentals of Improvisation as a rehearsal tool, as well as a performance opportunity. Prerequisite: Successful completion of THE 150 or THE 200. 4 Semester Hours.

THE 285 Theatre Practicum
Open to any student fulfilling production participation requirements. Course work involved active participation in an main stage departmental production. May be repeated. 0.5-1 Semester Hour.

THE 299 Special Topics in Theatre
See All-University 299 course description.

THE 307 Theatre's Past, Present, and Future
A survey of the literature and production techniques that have challenged conventions and changed theatre through the ages. 4 Semester Hours.

THE 330V Theatre as Protest
This seminar explores theatre as a form of political resistance and cultural critique. Students will engage plays both critically and creatively, analyzing dramatic structure and staging choices while also experimenting with performance and devising techniques. Through close reading, rehearsal processes, and practical workshops, students will examine how theatre challenges systems of power and amplifies marginalized voices. Explorations prerequisite: Successful completion of FYS 100 or FYS 105 or TRF 100 or HON 110 or take TRF-200 concurrently. Junior standing recommended but not required. 4 Semester Hours.

THE 341 Lighting Design
A study and analysis of stage lighting. Consideration given to advanced elements of electricity, electrical control and circuitry, reflection, refraction and color. Emphasis will be on the lighting design and aesthetics of a theatrical production. Prerequisite: THE 141 or permission of the instructor. 4 Semester Hours.

THE 342 Scene Design
A study and analysis of the visual elements of theatrical production. Emphasis on the principles and elements of design, drafting and rendering. Consideration of the aesthetics of stage design through specific applied projects. Prerequisite: THE 142 or permission of instructor. 4 Semester Hours.

THE 343 Costume Design
A study of costume history and theatrical costume design from the Greek period to the present day. Emphasis on the manner in which costume reflects the culture and values of each period. Prerequisite: THE 143 or permission of the instructor. 4 Semester Hours.

THE 350 Acting II
An advanced course in the theory and practice of acting. Includes practice in classical roles, handling poetic speech and development of audition pieces. Intensive work on the actor's use of specific vocal, physical and emotional choices in creating a characterization. Prerequisite: THE 150. 4 Semester Hours.

THE 360 Directing for the Stage
A study of the initial steps in translating the play script into a theatrical production. Particular emphasis is placed on script analysis, stage composition, movement, picturization and the work of the production team. Prerequisite: THE 150 and Junior or Senior standing only. 4 Semester Hours.

THE 365 Musical Theatre Workshop
This course focuses on the techniques and skills used in the performance of Musical Theatre. Extra emphasis will be placed on the study of genres and notable composers. Students will learn to apply these skills thru performance in class. May be repeated. 0.5-1 Semester Hour.

THE 376 Theatre as a Profession
This course is intended to help students prepare for summer theatre opportunities, graduate study or a professional career. Students will work to understand various elements of successful pursuit of theatre opportunities, including portfolio development, auditioning, interviewing, career-related communication and professional presence. 0.5 Semester Hour.

THE 399 Special Topics in Theatre
See All-University 399 course description.

THE 400 Independent Research
Open to advanced students wishing to pursue a particular aspect of theatre in depth. A prospectus and preliminary bibliography for the project must be submitted for departmental approval prior to registration. Variable Semester Hours.

THE 420 Senior Culminating Experience
A senior research seminar that culminates in either: (1) a major thesis focusing on a creative, historical, descriptive or critical aspect of the theatre, or (2) the production of a creative, theatrical project and the composition of a paper which discusses and evaluates the process. Open to seniors only. Offered fall and spring semester. 2 Semester Hours.

THE 494 Honors/Thesis Project
See All-University 494 course description.

THE 499 Internship in Theatre
Open to juniors and seniors majoring in theatre. Students will be placed in internship stations which complement their career orientation. Admission into the program is through a formal application and evaluation process and is dependent on the student's academic record and active participation in the theatre program. Taken under Satisfactory/Unsatisfactory grade option only. 1-16 Semester Hours.

Writing

WRT 100 College Writing
A course requiring a research paper and frequent written assignments related to classroom discussions and readings. Individual conferences help students formulate, organize, and express ideas. WRT 100 satisfies the General Education Requirement for Written Communication (I,B.1) and is intended for students entering before fall 2012. Prerequisite: None. 4 Semester Hours.

WRT 101 Writing at Work
This course will teach students the essential skills needed to write effectively in any professional setting. Students will gain familiarity with various workplace genres such as emails, memos, policy documentation, basic marketing materials, and short reports. Students will also learn how to write for different audiences and how to use appropriate tone and style in their writing. Throughout the course, students will have the opportunity to practice their writing skills through a variety of assignments and exercises and will receive feedback to help them improve their writing. Prerequisite: None. 2 Semester Hours.

WRT 102 Inclusive Communication
This course will teach students the essential skills needed to communicate effectively to a wide variety of audiences, with a focus on bias and inclusivity. Prerequisite: None. 2 Semester Hours.

WRT 110H Introduction to Professional Writing
A course introducing students to the rhetorical foundations of business, professional, and technical writing. In this class we will pay attention to such rhetorical elements as style, audience, purpose, and design and learn how these varying contextual factors affect the creation and reception of professional and technical documents. Prerequisite: None. Typically offered every year. 4 Semester Hours.

WRT 120A Introduction to Creative Writing
A course introducing students to the craft of creating fiction, poetry, creative nonfiction and drama. In this course we will explore the various techniques, decisions, styles and approaches used by creative writers. Students will also read extensively and participate in exercises designed to develop the creative process. Prerequisite: None. 4 Semester Hours.

WRT 200A Fieldwork for Writers
A course introducing students to the type of research real writers do. Writers learn to conduct research in order to present a piece of writing that is "right" not only factually, but aesthetically. They conduct interviews, observe scenes, walk the ground, consult archives and read extensively to find the story and the story beneath the story. In this class, we will study how writers research their subjects and practice doing research using multiple methods. Students will identify a writing project and conduct both primary and secondary research. Primary research might include observation, interviews, and case studies; secondary research may include traditional scholarly research and the use of a wide net of resources useful to a particular project (resources that would not be considered scholarly, but which would illuminate the subject for readers in new ways). 4 Semester Hours.

WRT 210 Grant Writing
This course will give you the knowledge and confidence required to develop and submit grant proposals. You will learn the basics of grant writing, including how to identify potential sources of funding, how to write a compelling proposal, and how to maximize the grant's chances of success. You will learn how to do the research that supports grants, how to create a budget, and how to write using the evaluation criteria established by funding organizations. If you are contemplating a career in the non-profit, government, or community sectors, this would be an ideal course for you. 2 Semester Hours.

WRT 230H Rhetorical Grammar
A course introducing students to the rhetorical choices writers make at the sentence-level to create a particular effect among readers, including grammatical, punctuation, and mechanical choices. In this class, we will wrestle with some of the big questions surrounding language use today: What are the consequences for "incorrect" grammar today? How do societies decide what makes for "correct" grammar? What makes good writing good? How does language use affect meaning? In addition to asking the big questions, we will examine how people use language "rules" to shape writing, and how people break those rules for certain, deliberate effects. We will also learn and practice the methods of studying language use that can be helpful for anyone who wants to communicate well. Practically speaking, we will study examples of effective communication and practice using their successful strategies to produce and revise our own work. This class can be beneficial for the student who just wants to gain a better grasp of grammar as well as the student who really wants to learn more about the power of language in our lives. Typically offered every Fall semester. 4 Semester Hours.

WRT 310V Theory and Practice of Editing
A course introducing students to the knowledge, skills, and techniques necessary for a career in professional editing. In this class we will examine textual and literary approaches to editing given particular rhetorical contexts, emphasizing the various approaches to editing and how to make editorial judgments that promote editorial standards without violating authorial intent. Topics covered will include: editorial design, developmental editing, copy editing, proofreading, plain language principles, editing for global English, and editing for gender-sensitive language. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

WRT 311V Publications Management
A course introducing students to the historical, theoretical, and practical aspects of publications management. In this course we will gain familiarity with the responsibilities of people who manage a variety of publications including: in-house publications, those of independent companies, organization-wide information policies, and professional publications. We will cover the principles of effective visual and document design, the role of the technical communicator in the design process, and the application of professional design principles and production techniques to create effective print and digital publications. Prerequisite: Junior standing. Explorations Prerequisite: Successful Completion of one course from the following: FYS 100, FYS 105, HON 110, or TRF 100. TRF 200 may be taken as a prerequisite or corequisite. Junior standing is recommended but not required. 4 Semester Hours.

WRT 320 Reading and Writing Poetry
A course helping students to expand on introductory material from WRT 120 in a focused study and production of poetry. In this course we will learn where poetry comes from (historical context), how it has changed over the centuries, and where poetry now stands as a literary art form and vibrant cultural expression. We will write about writing poetry, write poetry, and read poetry. We will research poets, publications, and topics for writing poetry. Students will produce a poem a week based on an exercise from the text, which will help to develop a sense of the range and possibilities in poetic expression. Students will also host and participate in monthly coffeehouse events for writers on campus. At least one piece will be revised for inclusion in the major portfolio. 4 Semester Hours.

WRT 321 Reading and Writing Fiction
A course helping students to expand on introductory material from IDS 220 in a focused study and production of fiction. Writing creatively begins by reading with the eye of a writer. Thus, in this course we will read classic and contemporary fiction paying close attention to aesthetic elements such as characterization, conflict, dialogue, narrative, and plot, while always keeping in mind that good literature appeals to its reader through the senses. The published works of others will provide inspiration as well as a framework through which we can analyze, understand and discuss stories as an enthusiastic community of writers. As the semester progresses we will turn our attention to stories written by class members. These stories will be critiqued in the classic workshop style, whereby students will present their works in progress, and will receive responses from the instructor as well as fellow class-members through writing and through discussion. Students will also host and participate in monthly coffeehouse events for writers on campus. At least one piece will be revised for inclusion in the major portfolio. 4 Semester Hours.

WRT 322 Reading and Writing Creative Nonfiction
A course helping students to expand on introductory material from IDS 220 in a focused study and production of creative nonfiction. Creative nonfiction uses the techniques of poetry, fiction and journalism to get at truth, both emotionally and factually. Creative nonfiction (CNF) is thriving in the world. Any reader can pick up *The New York Times* and find it there as the "New Journalism," in essays that tell the stories behind specific events, people, and problems. CNF can be found in hundreds of trade journals and specialty magazines, on any magazine row, in literary journals devoted to the genre, and in the thousands of personal web blogs flourishing today. In this course we will read the works of classic and contemporary creative nonfiction writers in order to provide a framework through which we can analyze and understand creative-nonfiction as writers. This reading will also provide a means for us to discuss our own work, as well as that published by others. As the semester progresses we will turn our attention to work written by class members. These pieces will be critiqued in the classic workshop style whereby students will present their works in progress and will receive responses from fellow class-members through writing and through discussion. 4 Semester Hours.

WRT 330 Special Topics
A course offering students an opportunity for advanced study of a more focused area of professional or creative writing. Special Topics courses may be offered on occasion as a substitute for a rotational elective (e.g., "The Short Story Collection" instead of "Reading and Writing Fiction") or as an extra topic (e.g., "Writing for the Screen and Stage," "The Novella, Writing about Place," "Argument and Persuasion," or "Major Author") in addition to the rotational offerings. Prerequisite: Varies by topic. 4 Semester Hours.

WRT 499 Internship
Through the cooperation of agencies and business in the vicinity of the University, students are provided with a significant learning experience outside of the classroom setting. Although the program is designed to be fundamentally an educational experience, professionally productive work will constitute an integral part of the internship. Specific arrangements and requirements will vary with the program. A contract will specify the activities with which the student will be involved. The basis of determining the grade for the program will be given in the contract and will include an evaluation by the supervisor at the organization where the internship work is done, an assessment by the internship faculty advisor, and a written report of the internship experience submitted by the student. Prerequisites will vary with the internship. Participation is by petition to the chair of the department. Taken under Satisfactory/Unsatisfactory grade option only. Only one internship may be taken for credit but may, in certain cases, be repeated for audit. 1-12 Semester Hours.

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Geoff Dartt, B.S, Head Football Coach
Cory Douglass, B.A., M.Ed.; Associate Head Baseball Coach
Asheli Freed, B.S., M.B.A.; Head Women's Soccer Coach
Rick Hairston, B.S.; Head Women's Flag Football Coach
Emily Henson, B.S., M.Ed.; Assistant Men's and Women's Track and Field and Cross Country Coach
Paul Hesse, B.S., M.A.; Assistant to the Athletic Director and Head Baseball Coach
Chris Kappas, B.S., M.Ed.; Assistant Football Coach
Evan Knott, B.A., M.Ed.; Assistant Baseball Coach
David Krems, B.A., Head Men's Soccer Coach
Nathan LaRiccia, B.A., M.A.; Director of Athletic Communications
Jenna Lisic, BSN; Head Men's and Women's Golf Coach
Kevin Lucas, B.A., M.Ed.; Head Men's and Women's Track and Field and Cross Country Coach
Melissa Mahnke, B.A., M.A.; Head Women's Volleyball Coach
Jerry Mansfiled, B.A.; Assistant Men's Basketball Coach
Jordan Markowski, B.A., M.Ed.; Assistant Football Coach
Ryan McClure, B.A., M.Ed.; Head Men's and Women's Tennis Coach
Logan Meister, B.A., M.S.; Assistant Men's Wrestling Coach

Matthew Mihelic, B.A.; Head Men's Volleyball Coach
Pamela Miller, Athletic Coordinator
Eric Mojock, B.S., M.Ed.; Head Men's and Women's Swimming and Diving Coach
Michael Parnell, B.S., M.B.A., Director of Athletics
Dominic Perella, B.A., M.A.; Head Men's Wrestling Coach
Ryan Riggs, B.A., M.A., Head Men's Wrestling Coach
Meghan Simons, B.A., M.S.; Head Softball Coach
Bethany Snider, B.A.; Head Women's Lacrosse Coach
Sabrina Stocker, B.S., M.Ed.; Assistant Men's and Women's Track and Field and Cross Country Coach
Emily Taylor, B.A., M.Ed.; Head Women's Basketball Coach
Joshua Twiddy, B.A., M.S.; Head Men's Basketball Coach
Suzy Venet Pietz, B.S., M.S.; Assistant Athletic Director, Senior Women's Administrator and Head Women's Basketball Coach
Josh Ward; Assistant Women's Basketball Coach
Clay Wenger, B.A.; Head Women's Wrestling Coach

Human Resources

Jessica Bates, B.A.; Human Resource & Benefits Specialist
Marci L. Craig, B.S., M.P.A, SPHR, SHRM-SCP; Director of Human Resources
Joanne M. Fedder, B.B.A., SHRM-CP; Assistant Director of Human Resources

Information Technology

Jerry Brugh, B.A.; Manager of Media Services
John Burkey, B.S., M.B.A., M.A.; Manager of Administrative Systems & Identity Access
Devon Doran, B.S.; Network Infrastructure Analyst
Lucas Duncan, B.S.; Information Technology Specialist
Mike Eubank, A.S., B.S.; Helpdesk Network Analyst
Scott Ginder, B.S., MBA; Manager of Technical Services & Security Analyst
Crystal Johnson, B.A.; Network Support and Training Analyst
Mark Kolenz, B.A., M.B.A.; Director of Information Technology for Operations
Anissa Phillips; Administrative Systems Analyst
Matthew Porter, B.S; Helpdesk Network Analyst
Catherine Royer; Senior Administrative Systems Analyst
David R. Smith, B.A., M.S.; Director of Information Technology for Security
Tina M. Stuchell, A.C.P., B.S., M.A. Ph.D.; Executive Director of Information Technology & Chief Information Officer
Sandy Vild; Data and Business Analyst

Physical Plant

Diana Bondoni; Senior Coordinator
Anson Gross; Grounds Supervisor
Rachelle Gerback; Mail Center Coordinator
Mitchell Lewis; General Trades Technician
Kristina Yarwood; Housekeeping Supervisor
Lee Smith, B.A.; Director of Physical Plant
Scott Watson; Maintenance Supervisor

University Store

Jenn Arndt; Assistant Manager, University Store
Aimee Schuller, B.A.; Manager of the University Store

Office of Enrollment Services

Caitlin Clark, B.S.,M.S., M.Ed.; Vice President for Enrollment Management

Office of Admission

Jacob Buttar, B.A.; Manager of Transfer Admission
Jennifer Dennison, Enrollment Services Coordinator
Kaetlynn Furda, B.A., M.A., MBA; Director of Admission
Mia Holt-Hoskins, B.S.; Admission Counselor
Emily Krizner, B.S.; Admission Counselor

Daniel Laut, B.A., M.Ed.; Senior Admission Counselor and Athletic Recruitment Assistant
Savannah Morris, B.A.; Associate Director of Admission
Lori Peters; Application Process Coordinator
Callie Pickett, B.S.; Admission Counselor
Laurie Scarpitti, B.A.; Part-Time Admission Counselor
Randolph Smith, B.A., M.A.; Associate Director for Athletic Recruitment and Development
Christin Shannon, B.A., M.A.; Campus Visit Coordinator

Office of International Admission

Taylor Williams, M.A.; Manager of International Admission

Student Financial Aid

Jennifer Chadwell, B.A.**;** Associate Director of Student Financial Aid
Taylor Fultz, B.A.; Financial Aid Counselor
Kendra Mazzei; Financial Aid Assistant
MacKenzie McKay; Financial Aid Counselor
Jamie Ruth; Financial Aid Counselor
Kathleen Thomas, B.A; Assistant Vice President for Student Financial Aid

Office of Marketing

Alysha Davis, B.A.; Social Media Manager
Kelby Davis, B.A., M.S.; Director of Enrollment Marketing
Dominic Golembiewski, B.A., M.B.A.; Assistant Vice President for Marketing
Fatima Meza Magana, B.A., M.A.; Marketing Content Specialist
Ryan Smith, B.A., M.S.; Director of Content and Academic Marketing

Office of Student Affairs

Jesse Cunion, B.A., M.A.; Assistant Dean of Students and Director of Student Accountability and Restorative Practices; Deputy Title IX Coordinator
Dawn Daugherty, B.A., MBA; Assistant Dean of Students and Director of International Student Services
John Frazier, B.A., M.A.Ed.; Vice President for Student Affairs and Dean of Students
Michelle Gaffney, B.A., B.S., M.A.Ed.; Associate Dean of Students
Malissa Gantz; Executive Assistant for the Office of Student Affairs/Dean of Students
Teresa Latham, A.S.; Student Affairs Coordinator

Campus Life & Student Involvement

Casey Casper, B.A., M.Ed.; Director of New Student and Leadership Programs
AJ Digby, B.A.; Director of Esports
Shawnta Forester, B.A., M.Ed.; Director of Student Engagement
Darrell Gaitor II, B.A.; Residence Life Coordinator
Sarah Galayda, Dance Team Advisor
Michael Gregg, B.A., M.Ed.; Resident Director
Jill Grove, B.S.; Spirit Squads Cheer & Dance Coach
Lucy Harp, B.A.; Graduate Assistant & Resident Director
Donna Kinnard; Part-Time MAAC Receptionist
Amy Malysa; Part-Time MAAC Receptionist
Jaliyah Mixon, B.S.; Wayne Manzilla Intern
Becca Morrison, B.A.; Graduate Assistant & Resident Director
Matthew Parnell, B.A., M.S.; Director of Recreation and Wellness
Sara Sherer, B.A., M.Ed.; Director of Residence Life
Jada Sutton, B.A.; Cheerleading Advisor/Coach
Olivia Toliver, B.S.; Graduate Assistant & Resident Director

Campus Safety and Security

Jeff Beverly; Security Officer
Raymond Cox, Security Guard
Corey Davis; Security Officer
Joshua Fletcher; Security Guard
John Hawk, A.S.; Security Officer
William Ketjen III, B.S., M.S.; Director of Campus Safety and Security
Michael Perkins; Security Officer
Corey Prendergast; Security Officer
Jeremy Secrest; Security Officer
David Schmid; Sergeant

Counseling, Wellness, & Spiritual Life

Carmella Hill, M.Ed., LPCC-S; Director of Counseling Services
Tim Morrison, B.S.Ed., M.Div., M.Ed., D.Min.; University Chaplain
Julie Thornberry, B.A., M.A., LPC; University Counselor
Kelleen Weber, B.A., M.A.Ed., LPCC-S, LCDCIII, M.A.C.; Director of Alcohol, Drug and Wellness Education
Lillian Williams, B.A.; Counseling Graduate Intern

Student Health Center

Beth Wayt, L.P.N.; Health Services Coordinator

Office of Camps and Conferences

Angi Johnson; Coordinator of Camps, Conferences, and Card Services

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The Faculty

UNIVERSITY OF MOUNT UNION

The Faculty

The listing that follows includes full-time members of the faculty and certain administrators. The year of initial appointment is indicated in parentheses.

Department of Biochemistry, Chemistry and Physics

Debra Boyd-Kimball
(2004) Professor of Biochemistry and Chemistry; B.S., Bethany College ’01; Ph.D., University of Kentucky ’04.
Julie Butler
(2023) Assistant Professor of Physics; B.S., Erskine College ’18; Ph.D. Michigan State University ’23.
Colin Campbell
(2019) Associate Professor of Physics; B.S., Westminster College ’07; Ph.D. Pennsylvania State University ’12.
Steven Cederbloom
(1992) Associate Professor of Physics; B.A., Carleton College ’86; M.A., Indiana University ’91; Ph.D., Indiana University ’95.
Ryan Dwyer
(2018) Assistant Professor of Biochemistry and Chemistry; B.S., University of Notre Dame ’11; Ph.D., Cornell University ’17.
Robert Ekey
(2009) Professor of Physics and Chair of the Department of Biochemistry, Chemistry, and Physics; B.S., Dickinson College ’99; M.S., Bryn Mawr College ’01; Ph.D., Bryn Mawr College ’06.
Myron Lard
(2026) Visiting Assistant Professor of Chemistry; B.S., Kent State University ’20; Ph.D., Louisiana State University ‘24
Scott Mason
(2001) Professor of Chemistry, Biochemistry and Physics; B.S., Mount Union College ’89; Ph.D., University of South Carolina ’93.
Sheryl Mason
(2011) Professor of Chemistry; B.S., Mount Union College ’90; Ph.D., University of South Carolina ’94.
Keith Miller
(2013) Professor of Biochemistry and Chemistry and Dean of Undergraduate Studies; B.S., Mount Union College ’08; Ph.D., University of North Carolina ‘13.
Christine Morales
(2023) Assistant Professor of Biochemistry and Chemistry; B.S., Carleton College ’98; Ph.D., University of Hawaii ‘05.
Carolyn Reid
(2013) Associate Professor of Biochemistry and Chemistry; B.S., University of the West Indies ’95; Ph.D., Tulane University ’07.
Robert Woodward
(2012) Associate Professor of Chemistry, Director of Pre-Health Professions Program; B.A., The Ohio State University ’06; B.S. The Ohio State University ’06; Ph.D., The Ohio State University ’10.

Department of Biological and Environmental Sciences

Morgan Chaney
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(2026) Assistant Professor of Biology; B.A., Colorado College ’10; Ph.D., Washington State University ’22.
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(2017) Assistant Professor of Earth and Environmental Sciences; B.S., University of Pittsburgh – Johnstown ’09; M.S. University of Nebraska, Lincoln ‘ 11; Ph.D., University of Nebraska, Lincoln ’15.
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(2012) Assistant Professor of Biology; B.S., Mount Union College ‘03; M.S.Ed. University of Akron ’04, Ph.D., Kent State University ’15.
Christopher Marks
(2013) Associate Professor of Biology; B.A., University of Akron ’02; M.S., University of Akron ’06; Ph.D., University of Akron ’12.
Amy McElhinney
(2011) Associate Professor of Biology; B.A., Wartburg College ’97; M.S., University of North Carolina at Wilmington ’02; Ph.D. Indiana University ’10.
Mark McNaught

(1998) Associate Professor of Earth and Environmental Sciences; B.S., Lafayette College ’85; M.S., University of Rochester ’89; Ph.D., University of Rochester ’91.

Heather Miliken-Mercer

(2017) Instructor of Biology; B.S., Kent State University ’99; M.A., Kent State University ’07; M.S., Kent State University ’13.

Kim Risley

(2004) Professor and Chair of the Department of Biological and Environmental Sciences and the Milton J. Lichty Chair in Biology; B.S., North Dakota State University ’94; Ph.D., East Carolina University School of Medicine ’98.

Jason Smith

(2023) Director, Huston-Brumbaugh Nature Center, Professor of Biology, and John D. Brumbaugh Chair in Environmental and Ecological Sciences, B.S., Geneva College ’98, MA University of Minnesota ’01, Ph.D., University of Minnesota ’05

Michael Zimmerman

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School of Business

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Amber Hunt

(2016) Assistant Professor of Finance and Director of the School of Business; B.A., Mount Union College ’03; M.B.A., Ashland University ’08; Ph.D., University of Akron ’14.

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Michael Kachilla

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Jim Kadlecek

(2008) Professor & Director of Sport Business Program, B.S., University of Northern Colorado ’79; M.A., University of Northern Colorado, ’91; Ed.D, University of Northern Colorado ’01.

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(2024) Assistant Professor of Marketing and Director of the Center for Applied Learning and Innovation, B.S., Indiana University of Pennsylvania ’08; M.B.A., Carnegie Mellon University ’19; PhD. Indiana University of Pennsylvania ’24.

Justin Lepley

(2025) Visiting Professor in the School of Business; B.A., University of Mount Union ’17; J.D., Case Western Reserve University School of Law ‘20

Rikki Price

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Wendy Ziems-Mueller

(2021) Associate Professor and Director of the Master of Business Administration Program; B.A., Heidelberg University ’00; M.B.A., Heidelberg University ’02; M.Ed., Tiffin University ’18; D.M, University of Phoenix ’11.

Dan Yard

(2025) Assistant Professor in the School of Business; B.A., Malone University ‘08; M.B.A., Malone University ‘10

School of Education

Melissa Askren-Edgehouse

(2009) Professor and Director of the School of Education, CAEP Coordinator; B.A., Mount Union College ’99; M.E., Ashland University ’03; Ed.D., Bowling Green State University ’08.

Linda Bigham

(1999) Associate Director of Assessment and Licensure; B.S., Mount Union College ’08; M.S., Kent State University ‘14.

Jeremy Brueck
(2019) Assistant Professor of Education: B.S., University of Akron ’01; M.A., University of Akron ’07; Ph.D., University of Akron ’14.
Kim Brueck
(2024) Coordinator of P-12 Clinical Partnerships; B.S., Bowling Green State University ’90; M.Ed., Kent State University ’93; M.Ed., The University of Akron ’00.
Beth Canfield-Simbro
(2004) Associate Professor of Education; B.S., Wright State University ’96; M.P.H., The Ohio State University ’99; Ph.D., The Ohio State University ’03.
Mandy Capel
(2007) Director of the M.Ed. Program and Professor of Education; B.A., Mount Union College ’98; M.A., Mary Grove University ’01; Ph.D., Kent State University ’08.
Chanda Coblentz
(2019) Assistant Professor of Education; B.S., West Liberty State College ’96; M.S., Franciscan University ’03; Ed.D., Walden University ’16.
Mary Beth Henning
(2019) Professor of Education; B.A., College of Wooster ’94; M.S., University of Toledo ’97; Ph.D., Pennsylvania State University ’02.
Jennifer Hollinger
(2018) Associate Professor of Education and Assistant Director of the School of Education; B.A., Cedarville University ’02; M.Ed.., University of Cincinnati ’07; M.S., Western Governors University ’18, Ed.D., Youngstown State University ‘18.
Nicole Lambright
(2025) Assistant Professor in the School of Education; B.S., The Ohio State University ’00; M.E.d., Mount Vernon Nazarene University, Board Certified Behavior Analyst Certification program, Florida Institute of Technology ’14; Ph.D., Capella University ‘22
Bruce Pietz
(2010) Associate Professor of Education; A.A., Minnesota State University ’95; B.S., Minnesota State University ’00; M.A., Minnesota State University ’04; Ed.D., St. Mary’s University of Minnesota ’12.
Caitlin Reash
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Samuel W. and Dolores E. Brenton School of Engineering

Benjamin Alexander
(2022) Laboratory Technician; B.S., Youngstown State University ‘04; M.S., University of Akron ‘08.
Loay Al-Zube
(2018) Associate Professor of Biomedical Engineering; B.S., Jordan University of Science & Technology ’00; M.S., New Jersey Institute of Technology ’04; Ph.D, Rutgers University ’08.
Shehla Arif
(2015) Associate Professor of Mechanical Engineering; B.E., University of Engineering & Technology, Pakistan ’96; M.S., Bucknell University ’04; Ph.D., Northwestern University ’10.
Jose Angel Diosdado de la Pena
(2024) Assistant Professor of Mechanical Engineering; B.S., University of Guanajuato. Salamanca, Mexico ’06; M.S. University of Guanajuato. Salamanca, Mexico ‘ 08; PhD University of Guanajuato. Salamanca, Mexico ’13; PhD Youngstown State University, Youngstown, OH ’23.
Thuan Dinh Do
(2023) Ph.D., Vietnam National University – Ho Chi Minh City University of Science ‘13.
Lynn Dudash
(2020) Associate Professor of Biomedical Engineering; B.S., Georgia Institute of Technology ’05; M.S., Case Western Reserve University ’06; Ph.D., Case Western Reserve University ’13.
Glauco Fontgalland
(2022) Associate Professor of Engineering; B.S., Federal University of Paraiba, Brazil ’90; M.S., Federal University of Paraiba, Brazil ’94; D.Eng., National Polytechnic Institute of Toulouse, France ’99.
Chad Korach
(2013) Associate Professor of Mechanical Engineering and Director of the Samuel W. and Dolores E. Brenton School of Engineering; B.S., Georgia Institute of Technology ’95; M.S., Georgia Institute of Technology ’99; Ph.D., Northwestern University ’04.
Julie Phillips
(2020) Electrical Engineering Lab Technician., A.S., Community College of the Air Force ’03.

Auchib Reza
(2024) Assistant Professor of Civil Engineering; B.S., Bangladesh University of Engineering & Technology, Bangladesh, ’17; PhD Memorial University of Newfoundland, St. John’s NI, Canada, ’23.
Umair Shakir
(2024) Assistant Professor of Civil Engineering; B.S., University of Engineering & Technology, Lahore, Pakistan ’11; M.S., University of Engineering & Technology, Lahore, Pakistan ’16; PhD in Engineering, Virginia Polytechnic Institute and State University, USA ’23.
Hans Tritico
(2012) Associate Professor of Civil Engineering; B.S., University of Michigan ’99; M.S., Washington State University ’02; Ph.D., University of Michigan ’09.

Department of Exercise, Sport, and Nutrition Sciences

Tomás Barrett
(2020) Associate Professor of Exercise Science; B.S., University of Limerick ’12; M.A., Central Michigan University ’15; M.S., Central Michigan University ’18; Ph.D., Central Michigan University ’20.
Ryan Gant
(2025) Assistant Professor of Exercise Science; B.S., University of Akron ’18; M.S., University of Tampa ’20; Ph.D., Kent State University ‘25
Ronald Mendel
(2004) Professor of Exercise Science and Chair of the Department of Exercise, Sport, and Nutrition Sciences; B.S., Walsh University ’91; M.A., Walsh University ’93; Ph.D., Kent State University ’00.
Katherine Spillios
(2008) Professor of Exercise Science; B.S., Mount Union College ’05; M.A., Kent State University ’06; Ph.D., Kent State University ’08.

Department of Interdisciplinary Humanities

Susan Haddox
(2005) Professor of Philosophy and Religious Studies; B.A., Gustavus Adolphus College ’94; M.S., Stanford University ’97; M.Div., Pacific School of Religion ’00; Ph.D., Emory University ’05.
Nicole Johnson
(2007) Professor of Philosophy and Religious Studies and Chair of the Department of Interdisciplinary Humanities (spring 2022); B.A., Westminster College ’98; M.A., Wheeling Jesuit University ’01; Ph.D., Boston University School of Theology ’07.

Department of Literature and Communication Arts

Danielle Cordaro
(2010) Associate Professor of English and Director of the Center for Faculty Development; B.A., Western Michigan University ’03; M.A., Western Michigan University ’05; Ph.D., Purdue University ’10.
Rodney Dick
(2003) Professor of English and Director of Retention; B.A. Gonzaga University ’96; M.A., University of Louisville ’00; Ph.D., University of Louisville ’05.
Heather Duda
(2019) Professor of English and Director of Grants; B.A., Lycoming College ’98; M.A., University of Maryland – College Park ’01; Ph.D., Indiana University of Pennsylvania ’06.
Amy Laubscher
(2008) Lecturer in the Department of Literature and Communication Arts; B.A. Kent State University’03; M.A., University of Akron ’06; Ed.D., University of Southern Mississippi ’26.
Tessa Stamm
(2025) Assistant Professor of Literature; B.A., The Ohio State University ’12; M.F.A., Brown University ’19.
David Thiele
(2007) Professor of English and Director of the University Honors Program; B.A., Kenyon College ’91; M.A., Boston College ’95; Ph.D., Boston College ’03.

Department of Mathematics, Computer Science, and Data Science

Sherri Brugh
(1994) Professor of Mathematics and Chair of the Department of Mathematics, Computer Science, and Data Science; B.S., Baldwin-Wallace College ’90; M.S., Vanderbilt University ’92; Ph.D., Vanderbilt University ’94.
Blase Cindric
(1999) Associate Professor of Computer Science; B.S., Westminster College ’82; M.S., Pennsylvania State University ’85.
Mahmoud Darwich
(2022) Assistant Professor of Computer Science; B.E., Beirut Arab University, Lebanon ’06; M.S., University of Louisiana ’13; Ph.D., University of Louisiana ’17.
David Gothard
(2022) Visiting Assistant Professor of Mathematics; B.S., Vanderbilt University ‘93; M.S., University of Kentucky ‘95; ABD, University of Kentucky ‘97.
Adam Hartley
(2024) Assistant Professor of Computer Science; B.S., Erskine College, ’19.
Douglas Henry
(2018) Director of the Mathematics Lab; B.S., Kent State University ‘05; M.S., Kent State University ’09.
Katherine Ritchey
(2019) Associate Professor of Mathematics; B.A., University of Notre Dame ’13; M.S., The Ohio State University ’16; Ph.D., The Ohio State University ’19.
Gerald Wuchter
(1995) Professor of Mathematics; B.S., Miami University ’89; M.S., University of Michigan - Ann Arbor ’91; Ph.D., University of Michigan - Ann Arbor ’95.

School of Nursing

Betty Allen
(2015) Associate Professor of Nursing; B.S.N., Valparaiso University ’99; M.S.N., Malone College ’08; Ed.D, Nova Southeastern University ‘16
Kristian Bowling
(2026) Assistant Professor of Nursing and Chief Nursing Administrator/Director of Nursing
Andrea Corbisello
(2015) Clinical Associate Professor and Director of Nursing Laboratory and Clinical Experiences; B.S.N., Kent State University ’97; M.S.N., Franciscan University of Steubenville ’09.
Sara Dorris
(2016) Assistant Professor of Nursing, FND ERNP Program Coordinator; A.D.N., Kent State University ’06; B.S.N., Kent State University ’11; M.S.N., Youngstown State University ’14; D.N.P., Chamberlain College of Nursing ’16.
Christine Keele
(2022) Clinical Assistant Professor of Nursing, Director of Undergraduate Nursing; B.S.N., Kent State University ‘14; M.S.N., Chamberlain College of Nursing ‘17.
Kelly Schwendiman
(2017) Clinical Assistant Professor of Nursing; A.A.S., Stark State College of Technology ’97; B.S.N., Kent State University ’02; M.S.N., Kent State University ’12.
Linda Specht-Trainer
(2025) Assistant Professor of Nursing and FNP Program Coordinator; B.S.N., College of Saint Mary ’93; M.S.N., Saint Joseph’s College ’09; F.N.P, Saint Joseph’s College ’16; D.N.P., Nebraska Methodist College ’21.
Karen Towne
(2017) Clinical Assistant Professor of Nursing; B.A., Ohio University ’00; B.S.N., Kent State University ’08; M.S.N., Case Western Reserve University ‘15.
Melinda Wiles
(2026) Assistant Professor of Nursing; B.S.N., The Ohio State University ’00; M.S.N., Grand Canyon University ’16.

Department of Performing Arts

Elaine Anderson
(1997) Professor of Music; B.M., Concordia College ’90; M.M., Manhattan School of Music ’92; D.M.A., University of Alabama ’99.
Kevin Kern
(2012) Associate Professor of Theatre; B.A., California Lutheran University ’90; M.F.A., Brandeis University ’93.
Ryan Patterson
(2018) Associate Professor of Theatre; B.S., University of Akron ’12; M.F.A., Kent State University ’15.

Beth Polen
(2023) Visiting Director of Choral Activities; B.F.A., Otterbein College ’88; B.M.E., Mount Union College ’92; M. M. Youngstown State University ’99.
Sarah Russell
(2018) Assistant Professor of Theatre; B.M., Bowling Green State University ’05; M.F.A., Kent State University ’09.

Department of Physical Therapy

Kanika Bansal
(2022) Assistant Professor of Physical Therapy; Bachelor of Physiotherapy, Lokmanya Tilak Municipal Medical College, Sion ’14; Masters of Physiotherapy (Specialty; Neurosciences) School of Allied Health Sciences, Manipal University ’16, Ph.D. University of Florida ’21.

Evan Haney
(2025) Assistant Professor of Physical Therapy; B.S., Walsh University ’16; D.P.T., University of Mount Union ’20.
Sheryl Holt
(2015) Associate Professor of Physical Therapy and Director of the Physical Therapy Program; B.S.P.T., Georgia State University ’78; M.S., The Ohio State University ’99; Ph.D., University of Kentucky ’16.
Lisa Koniowsky
(2021) Clinical Assistant Professor of Physical Therapy; B.S., Youngstown State University ’00; M.S., Youngstown State University ’03; D.P.T., A.T. Still University ’19.
Megan Salvatore
(2014) Associate Professor of Physical Therapy; B.S., Wheeling Jesuit University ’98; M.S., Wheeling Jesuit University ’01; D.P.T., Wheeling Jesuit University ’06.
Jennifer Sensor
(2017) Assistant Professor of Physical Therapy; B.S., Pennsylvania State University ’08; Ph.D., Kent State University ’17.
Amanda Waltz
(2019) Assistant Professor of Physical Therapy and Director of Clinical Education; B.S., Walsh University ’07; D.P.T., Walsh University ’11).

Department of Physician Assistant Studies

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Dana Domer
(2015) Assistant Professor and Clinical Coordinator of Physician Assistant Studies; A.A.S., Cuyahoga Community College ’97; M.P.A.S., Arizona School of Health Sciences ’10.
Betsy Ekey
(2009) Professor and Director of the Department of Physician Assistant Studies Program; B.M.S., Alderson-Broaddus College ’99; M.P.A.S., Alderson-Broaddus College ’07.
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Department of Psychology, Neuroscience, and Human Development

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(2019) Associate Professor of Psychology, Neuroscience, and Human Development; B.A., Malone University ’05; M. Ed., University of Akron ’08; Ph.D., University of Akron ’16.
Tamara Daily
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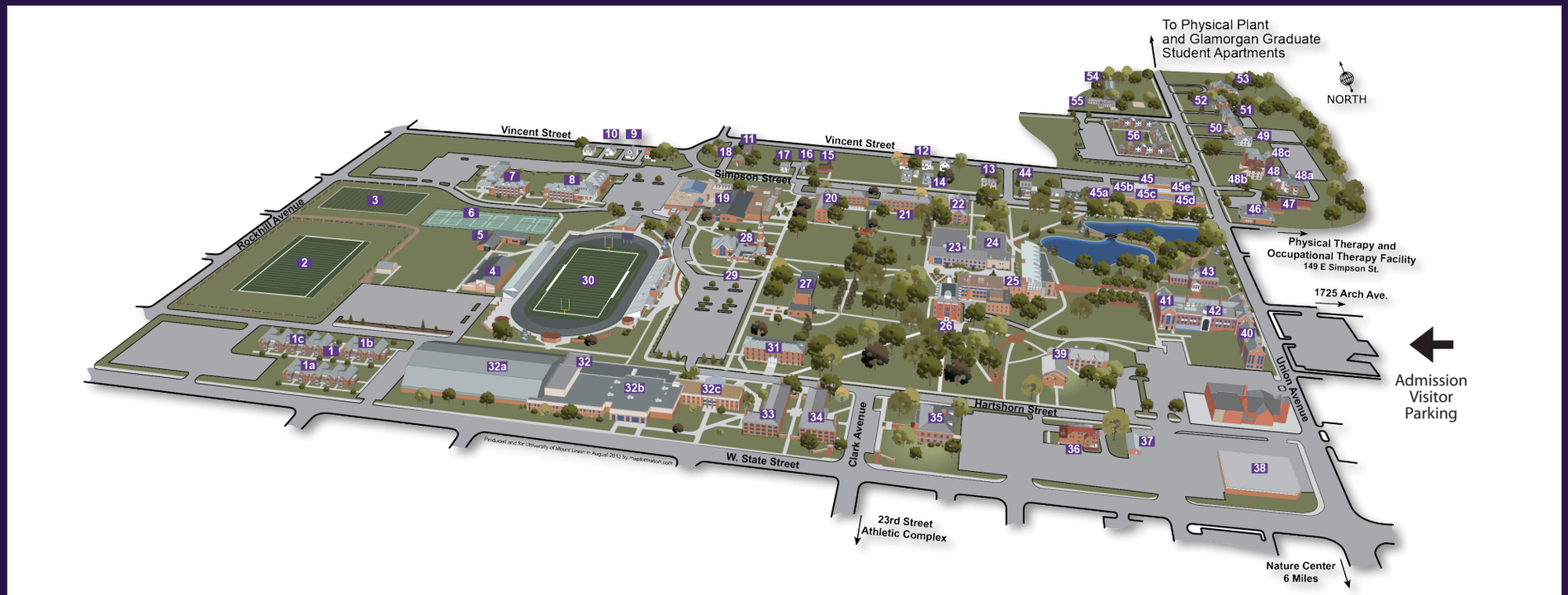
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UNIVERSITY of MOUNT UNION

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Campus Map

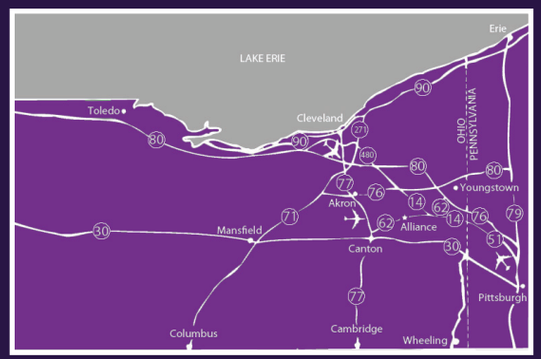
UNIVERSITY OF MOUNT UNION



BUILDING KEY

1. Hartshorn Street Townhouses
1a. Orwick Court
1b. Adams Court
1c. Grove Court
2. Moore Field at Wable Park
3. Montgomery Field
4. Gulling Training Center
5. Dom and Karen Capers Academic and Athletic Center
6. Whitehill Tennis Courts
7. Shields Residence Hall
8. Bica-Ross Residence Hall
9. Commuter Student House
10. 532 - 564 Vincent St.
11. Weber House
12. 330 - 254 Vincent St.
13. 205 Simpson St.
14. Union House
15. Alpha Chi Omega Sorority House
16. 355 Simpson St.
17. Campus Security
18. 431 Simpson St.
19. Hoover-Price Campus Center
20. McMaster Residence Hall
21. Ketcham Residence Hall
22. Elliott Residence Hall
23. Oak Hall
24. Tolerton and Hood Hall
25. Kolenbrander-Harter Information Center (Library)
26. Chapman Hall
27. King Residence Hall
28. Dewald Chapel
29. Victoria's Garden
30. Kehres Stadium
31. Miller Residence Hall
32. McPherson Academic and Athletic Complex (The MAAC)
32a. Peterson Field House
32b. Timken Physical Education Building
32c. McPherson Center for Health and Well-Being
33. McCready Residence Hall
34. Cunningham Residence Hall
35. Beeghly Hall
36. van den Eynden Hall
37. Structural and Geotechnical Engineering and Projects Lab (SAGEP Lab)
38. Esports and Melvin J. Snode Golf Facility
39. Hoiles-Peterson Residence Hall
40. Gallaher Hall
41. Bracy Hall of Science
42. Clarke Astronomical Observatory
43. Gartner Welcome Center
44. Alpha Xi Delta Sorority House
45. Giese Center for the Performing Arts
45a. Brush Performance Hall
45b. Gallaher Theatre
45c. Otto Art Gallery
45d. Cope Music Hall
45e. Presser Recital Hall
46. William H. Eells Art Center
47. Simpson Apartments
48. Brown Village
48a. Jae Manor
48b. Keller Manor
48c. Clutter Manor
49. Perry F. King Guest House (Alpha Delta Pi Sorority House)
50. Sigma Nu Fraternity House
51. Alpha Tau Omega Fraternity House
52. Dussell House (Delta Sigma Tau Sorority House)
53. Fred J. Haupt President's House
54. Phi Kappa Tau Fraternity House
55. Sigma Alpha Epsilon Fraternity House
56. Union Avenue Townhouses





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