



**Undergraduate  
Course Catalog  
2022-2023**

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# The Mission of Wheeling University (WU)

## Educating for Life

The Catholic traditions of educational excellence and service guide all programs at Wheeling University. By integrating learning, research, and economic development with classical knowledge and Christian revelation, the University seeks to foster competence, creativity, and innovation both throughout and beyond the campus community. Graduates of the University enter the world of work with socially responsible goals, a lifelong appetite for learning, and the desire to make our universe a better place.

## Educating for Leadership

To model the Catholic concern for regional and global neighbors, the University welcomes people of all creeds, races, and nationalities to share in the intelligent pursuit of excellence. The University promotes close student-faculty contacts and encourages students to develop their full potential for leadership. Through a grounding in the liberal arts and, above all, the example of Jesus Christ, the University endeavors to produce intelligent, moral leaders who will champion the Catholic values of faith, peace and justice. Wheeling University envisions a dynamic leadership role for the University in the lives of its students and in the world at large.

## Educating Men and Women for Others

In its faculty and students, its research, and its outreach, the University is national and international. Yet, as the only Catholic college in West Virginia, Wheeling University also values its distinctive mission to the immediate area, educating local men and women and returning them to enrich their own communities. Wheeling University firmly believes its graduates will enter into the professional world, prepared to use their God-given talents not solely for personal fulfillment but as men and women in service to others.

## Wheeling University Mascot

The mascot of Wheeling University (WU) is “Iggy,” the Cardinal, named after the founder of the Society of Jesus (*i.e.*, the Jesuits), Saint Ignatius of Loyola. The Cardinal is seen at various athletic events and on our athletic apparel, programs, gym floor, etc.

## Wheeling University Motto

The University Motto – “*Luceat Lux Vestra – Let Your Light Shine*” – represents the opportunities for students to find their place here at Wheeling University and be the best they can be.

## History of Wheeling University

On September 25, 1954, Wheeling College was incorporated in Wheeling, West Virginia. Bishop John J. Swint, the Bishop of the Diocese of Wheeling-Charleston, saw the need for Catholic higher education in West Virginia and the Ohio Valley region and asked the Society of Jesus of the Maryland Province to start a college in Wheeling. Workers laid the cornerstone for Donahue Hall on November 21, 1954. The College, staffed by 12 Jesuits and four lay professors, opened its doors to the first class of 90 freshmen on September 26, 1955. Formal dedication ceremonies for Wheeling College were held on October 23, 1955, with more than 2,000 people in attendance. Archbishop John J. Swint turned over the deed to all college properties and building to the Maryland Province of the Society of Jesus on February 11, 1957.

As Wheeling College grew over the years, more buildings were added, along with more academic programs, NCAA athletic programs, and student activities. In 1988, Wheeling College was renamed Wheeling Jesuit College, and with continued growth and expansion named Wheeling Jesuit University in 1996. In 2017, keeping with the original intention of Bishop Swint, the Diocese of Wheeling-Charleston once again demonstrated a commitment to Catholic higher education in West Virginia when Bishop Michael J. Bransfield partnered with the Society of Jesus, providing significant financial and administrative support, allowing the University to continue its mission of offering a quality Jesuit education to the people of the state of West Virginia and the Appalachian region. The University’s most recent name change occurred in 2019 when the institution adopted the name Wheeling University.

# General Information

## Accreditation and Memberships

Wheeling University is accredited by the following accrediting entities:

- Association for Advancing Quality in Educator Preparation (AAQEP)
- Accreditation Council of Business Schools and Programs (ACBSP)
- Commission on Accreditation of Athletic Training Education (CAATE)
- Commission on Accreditation in Physical Therapy Education (CAPTE)
- Commission on Collegiate Nursing Education (CCNE)
- The Higher Learning Commission (HLC)
- West Virginia Higher Education Policy Commission (WVHEPC)

## Non-discrimination Policy

Wheeling University does not discriminate on the basis of race, creed, color, national origin, disability, sex, or marital status in the consideration of eligible students for admissions, scholarships, awards, and financial aid.

## Adherence to Federal Guidelines

Wheeling University adheres to guidelines as mandated by the federal government.

## Notice to all Current and Potential Students

This catalog attempts to provide accurate and up-to-date information concerning admissions requirements, curriculum, and the general rules and regulations of the University. Wheeling University reserves the right to unilaterally make changes, at any time, in admissions requirements, curriculum and the general rules and regulations of the University that it believes, in its sole discretion, to be in the best interest of the University and students. Each student is responsible for his or her own educational progress in order to reach graduation or complete a certificate. If a student takes more than a semester off, the student may be under a new catalog when returning. In this case, the student should consult an advisor or the Registrar to plan his or her program. **The provisions of this catalog are not to be regarded as a contract between the student and Wheeling University. However, by enrolling in the University, the student explicitly acknowledges and accepts the provisions provided in this notice.**

# Campus Resources

## Campus Ministry

Campus Ministry staff offer prayer and reconciliation, celebration of the sacraments, worship, retreats and spiritual direction. The Appalachian Institute coordinates service opportunities in Wheeling, throughout the United States, and abroad. Weekly Mass and various special Masses and events are held in the beautiful Chapel of Mary and Joseph. Through word and sacrament, prayer and service, reflection and action, students may experience the Catholic way of life, making our love of God in Christ active in our world.

## Faculty and Teaching Excellence

A strong teaching faculty is the principal academic resource of Wheeling University. Full-time or adjunct faculty members teach all courses, providing a learning environment that is engaging, enriching, and thought provoking. Academic excellence is promoted through the teaching, scholarship, and service of the faculty who, in turn, encourage the student to participate in these academic endeavors. The faculty are guided in best practices on in-person, hybrid and online instructional excellence through a Teaching and Learning peer group. All full-time and adjunct faculty are also exceptional as they hold certification as Online Teaching Practitioners or are trained and supported in Wheeling University's Canvas Learning Management System.

## **Information Technology Services**

In addition to the computers in the library, computer laboratories are located throughout the academic buildings. Students use ITS labs to complete computer-related assignments, to check e-mail, or to access the Internet. Some classes meet regularly in ITS labs for computer-assisted instruction. Students' accounts for WU e-mail, Self-Service, and Canvas are supplied by ITS. Residence halls are equipped for students to bring their own routers/computers and access the Internet and network. Various rooms in Donahue Hall and Acker Science Center have built-in media systems for computer demonstrations, video or Internet presentations. Helpdesk requests can be submitted at <https://tickets.wheeling.edu> or by email at [tickets@wheeling.edu](mailto:tickets@wheeling.edu).

## **Student Success Center**

The Student Success Center (SSC) provides a comprehensive range of academic, career, personal development, and information literacy skills-building services and activities. The SSC can be thought of as an extension of the classroom where student learning continues in collaborative environments involving interactions with peer to peer, faculty-guided, and external group including local and national companies, professional organizations, and international resources. The SSC also guides and monitors students in building and maintain their Cardinal E- Portfolio, which serves as a valuable tool for students to document and share with potential employers, graduate schools, and other life and career advancement entities during and after their time at Wheeling University.

## **Academic Progress and Skills Support**

The Office of Academic Support Services enables students to receive the academic skills services and academic progress assistance they need to move ahead in their studies. Academic skills development and assistance, including enhanced language skills support for English as a Second Language students, is available through SSC tutoring, study groups, workshops, and other forms of academic support. The Student Success Center (SSC) provides free academic-support services to all enrolled Wheeling University students with peer tutoring availability can be accessed through Canvas.

The University is highly committed to advancing the academic progress of all of its students. As part of the SSC, the Director of Academic Student Success collaborates with the Offices of Academic Affairs, all academic programs, faculty committees, and other University units, to regular identify any students who are academically at risk and assist them with specialized training and plans targeted to improve their studies.

## **Accessibility and Disability Student Services**

Wheeling University offers students with documented disabilities individual accommodations on a case-by case basis with confidentiality in compliance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. In order to receive academic or physical accommodations, students with disabilities must provide current (within three years) and comprehensive documentation concerning the nature and extent of the disability(ies). Applicants must communicate their needs to the Director of Student Academic Success, located in Kirby Hall, or call 304-243-2272. Students are required to meet with the director to develop accommodation plans that they will present to their course instructors at the beginning of each semester. Students with disabilities that require specific housing accommodations must contact both the Director of Residence Life and the Director of Student Academic Success. Forms and additional information can be found at: <https://wheeling.edu/student-life/student-support-services/disability-services/>

## **International Students**

The Student Success Center (SSC)/Wheeling University is dedicated to fostering academic growth and inclusivity through our comprehensive range of services. We provide invaluable student academic learning support, catering to the unique needs of learners at all levels. Our dedicated faculty is well-versed in assisting students with ESL (English as a Second Language), ensuring a smooth transition and enhanced language proficiency. Additionally, we offer specialized classes that delve into specific subjects, equipping students with the necessary knowledge and skills to excel in their chosen fields. By embracing diversity and promoting academic excellence, Wheeling University is committed to empowering students and facilitating their educational journey towards success.

Wheeling University is committed to supporting international students as they acclimate to the community, ensuring a smooth transition and providing the necessary resources for their academic success. As part of the immigration procedures, all international students are required to meet with a Designated School Official (DSO) upon arrival on campus and at the beginning of each semester.

## **International Students (cont.)**

During these meetings, students must bring their passports, visas, I-20s (Certificate of Eligibility for Non-Immigrant Student Status), and I-94 (Arrival/Departure Record) to complete the necessary SEVIS immigration procedures prior to the start of classes. Our staff is available to assist students throughout this process, ensuring compliance and offering guidance for a seamless educational experience.

## **Bishop Hodges Library**

The spacious Bishop Hodges Library is a great place for both individual and group study. Their collection includes over 150,000 print volumes, as well as a wide range of multimedia materials like DVDs and streaming videos. All students have access to electronic resources like newspapers, research journals, and other scholarly publications. Education majors can take advantage of the Curriculum Resource center. The library also partners with national and regional library consortia to provide access to materials that may not be available locally. The librarians and assistants are always available to help students in-person, over the phone, or via email. The library also provides computers, copy machines, microform readers/printers, and other office equipment. During the Fall/Spring semesters, the library is open for 85 hours per week, but they offer extended hours during mid-term and finals weeks. Wheeling University students are encouraged to use the library's resources to meet their academic research needs. For more information, visit the library's website at <https://libguides.wju.edu/BHLHome>.

## **Career Services, Prior Learning Assessment and Veterans Affairs**

### **Office of Career Services**

The mission of the SCC's Office of Career Services is to provide progressive services and resources that help students and alumni prepare for and manage their careers, learn job-seeking, and locate suitable internships as well as employment. Career Services offers many activities, services and resources to assist all students in their transition from college to post-graduation pursuits in the world of work or graduate school. Through one-on-one advising or workshops, students are assisted with basic career needs, including writing resumes, cover letters, and internship and job possibilities. Students are also encouraged to talk with faculty about job possibilities within their majors and about possible internship sites.

### **Prior Learning Assessment**

The Office of Career Services also assists returning adult learners to assess and receive credits for substantial work, volunteer, military services, and other forms of exam-based, corporate, workforce association, and other forms of nationally-certified learning credentials. Prior Learning Assessment: Policy and Submission guidelines are as follows:

#### **General Guidelines for Prior Learning Assessment Credit Application:**

Upon admission, students who demonstrate, document, and receive approvals, for a detailed portfolio of substantial career, military or community service experience, may also receive additional Prior Learning Assessment (PLA) credits. In general, PLA credits supplement transfer credits already gained at point of admission through existing University articulation agreements. In addition, students can only Like transfer credits, approved PLA credits are applied to satisfy Experiential and Service Learning general education, courses in a major and/or free elective in a student's chosen degree program.

- Credit petitioned via PLA must be for a specific university course within an academic program but cannot be applied toward seminar, capstone, and/or independent study courses.
- The University awards credit for undergraduate level learning that can be assessed and documented. Credit is awarded for learning combined with, but not solely based on, career experience and/or military service.
- PLA credits are considered "non-traditional" transfer credits. Accrediting guidelines limit the amount of non-traditional credit applied toward degree completion as follows: Associate - no more than 12 semester hours; Bachelor's - no more than 24 semester hours.

Wheeling University's Prior Learning Assessment program, credit-granting policies, and portfolio submission criteria and

## **Prior Learning Assessment (cont.)**

procedures are aligned with national standards set by the Council of Experiential and Adult Learning (CAEL) found at: [www.cael.org](http://www.cael.org). Students interested in pursuing PLA credits through portfolio submission should contact the Student Success Center staff and visit the Student Success Center website at <https://www.wju.edu/Student%20Success%20Center/student-success-center.html>.

## **Veteran Affairs**

Educational Assistance Benefits, including Prior Learning assessment credits, are available for veterans, active-duty military, National Guard and selected reserve, and, in some instances, their qualified dependents. For additional information on specific programs, the Director of Career Services and local Veterans' Office can be of assistance to student veterans. WU participates in the Yellow Ribbon program. The standards of Progress and Conduct as shown in this catalog are considered adequate for meeting the requirements of the Approving Agency and Department of Veterans' Affairs. VA students may not be continued in enrolled status beyond two consecutive terms while falling below the level of satisfactory academic progress necessary to graduate.

## **VA Pending Payment Compliance**

In accordance with Title 38 US Code 3679(c), Wheeling University (WU) will not penalize recipients of the Post 9/11 GI Bill or Veteran Readiness & Employment, while payment to the institution is pending from the Department of Veterans Affairs. Wheeling University will not prevent a student's enrollment, assess a late penalty fee against a student, require a student to secure alternative or additional funding, or deny a student access to any resources (including but limited to classes, libraries, or other institutional facilities) available to students who have satisfied their financial obligation to the University. To qualify for this provision, a student must provide WU with A Certificate of Eligibility (or equivalent) or VA Form 1905 by the first day of class, along with a request for certification of benefits, and other required information essential to the certification process.

If you have any questions regarding this provision, please contact the Office of the Registrar at 304-243-2090 or [registrar@wheeling.edu](mailto:registrar@wheeling.edu).

## **Experiential and Service Learning Services**

A part of their value-added, unique educational experience at Wheeling University, all undergraduate students will complete at least one designated Experiential and Service Learning academic course or co-curricular activity in order to fulfill the University's General Education requirement. The requirement is intended to provide students with unique and essential opportunities to connect what they have learned in the classroom to external career-related experiences, such as internships (paid or unpaid), research opportunities, clinical practice, study abroad, etc. and to experience the lifelong benefits of serving communities as active and responsible citizens.

Through Experiential and Service Learning classes, projects and activities, Wheeling University students are able to explore and gain a deeper understanding of their future careers, lifestyles and societal responsibilities globally as well as locally. In general, students are also challenged to apply concepts and principles they have learned in their college coursework to their professional and service experiences as additional ways to gain critical and creative learning insights. Wheeling University's Experiential and Service-Learning activities also supports and fosters greater academic and personal growth, as students discover and understand other cultures, reflect upon personal service and professional development activities, and relate their experiences to life after graduation. Please visit the Experiential and Service Learning General Education Requirement section of this catalog for further information.

The SSC staff strives to encourage and support Wheeling University students to "live the mission" and become successful, life-long learners, highly prepared career professionals, and principled, active national and global leaders. Students may call the SSC or stop in to set up an appointment with a tutor or professional staff member for assistance.

The services provided by the SSC are available to Wheeling University students at no additional charge. Visit the Student Success Center to learn more about what the SSC has to offer. The SSC is located in Kirby Hall and is open seven days per week during the school year.

## **Experiential and Service Learning Services (cont.)**

Please visit the SSC's website (readily accessible on the Cardinal homepage under "Quick Links") to learn about the SSC's services and to schedule appointments or contact the Student Success Center staff at [StudentSuccess@wju.edu](mailto:StudentSuccess@wju.edu).

## **Additional Campus Resources**

### **Clifford M. Lewis, SJ Appalachian Institute**

The **Clifford M. Lewis, SJ Appalachian Institute** promotes research, service, and advocacy for and with the people of Appalachia. Wheeling University students and faculty and visiting schools from across the country participate in service and experiential learning immersion trips focusing on cultural awareness, direct service, and environmental and public health education. Students and faculty also focus on community-based research initiatives working in conjunction with the Appalachian Outreach and Advisory Committee. The Appalachian Institute offers a wealth of public programming for students and the general public that focuses on contemporary issues related to energy choices, healthy living, water quality, and cultural appreciation.

### **Challenger Learning Center**

Wheeling University offers unique learning resources unlike anywhere else in the nation. In the Erma Ora Byrd Center for Educational Technologies (CET) you will find The Challenger Learning Center. In addition to offering award winning, state-of-the-art programs in a \$500,000 space simulator, the Challenger Learning Center, thanks to technology, brings its innovative programs to distant classrooms around the world through its electronic distance- learning programs, known as e-Missions. The CLC has flown more than 6,000 e-Missions to schools, many located in traditionally underserved districts, each year. The CLC provides FREE Teacher Training sessions via video conference for any of our distance learning programs.

The Challenger Learning Center® also offers adult and student learners the chance to climb aboard a space station and complete a mission in the role of astronauts, scientists, and engineers with its Corporate Missions. A successful mission requires critical thinking, leadership, cooperation, and problem solving. Please contact the Challenger Learning Center 304-243-8740 or [challenger@wju.edu](mailto:challenger@wju.edu). You can also book online at: <http://clc.cet.edu>

## **Campus Services**

### **Athletic Activities**

#### **Intercollegiate Athletics**

Wheeling University is a member of the Mountain East Conference, composed of 11-member institutions. A Division II member of the National Collegiate Athletic Association (NCAA), Wheeling University competes on the intercollegiate level in men's and women's basketball, men's and women's soccer, men's and women's track, men's and women's swimming, men's and women's cross country, men's and women's golf, women's volleyball, men's lacrosse, softball and baseball, wrestling, and football. Additionally, WU has a rugby team which competes in the Division I National Collegiate Rugby (NCR), where it is a member of the Big Rivers Rugby Conference (BRRC).

#### **Intramurals**

The University sponsors an intramural program with various sports throughout the year. Among the intramural sports are flag-football, soccer, volleyball, basketball, and softball.



## **Athletic Facilities**

The Alma Grace McDonough Health and Recreation Center, completed in 1993, is the home of the “Cardinal” basketball, wrestling and volleyball squads and is also used for a variety of recreational activities. It features a 2,500-seat gymnasium with two full-size basketball courts, one main cross court for varsity games and an elevated jogging track with a warm-up area. The Health and Recreation Center also includes an indoor six-lane, 25-yard swimming pool, and a multi-purpose gymnasium. The James Trueman Fitness Center, which is equipped with Nautilus machines, free weights and cardiovascular equipment, is also housed in the Center.

The University Outdoor Athletic Complex includes the Bishop Schmitt Field, the Bill Van Horne Grandstand, and the Fitzsimmons Foundation Press Box. The field is used for soccer, rugby, football, and lacrosse matches as well as intramural events. The University encourages personal and group physical fitness. Sports programs help to develop leadership, teamwork and a positive attitude in student-athletes.

## **Campus Public Safety and Parking**

The Campus Public Safety Office is responsible for vehicle registration, parking, and the security of the campus. A member of the campus public safety staff is available 24 hours a day. Any member of the community or guests on campus may contact the office to receive an escort from one place on campus to another. For a fee, students are permitted to have automobiles on campus; however, vehicles must be registered at the Campus Public Safety Office and follow regulations. Officers on duty may be found patrolling or in the office near the coffee shop.

## **Counseling Center**

The Counseling Center commits itself to the principles of holistic health and well-being by aspiring to provide services which support emotional health, personal growth, interpersonal development and academic success. The Counseling Center provides assessment, education, intervention, consultation, outreach and referral when necessary and is staffed by a licensed independent clinical social worker. Counseling services are free and available to all enrolled students.

## **Dining Services**

The University’s Dining Service is provided by Aladdin Campus Dining, which employs an experienced staff to deliver an authentic culinary experience. Aladdin prides itself on serving fresh food, made from scratch, with as many local products as possible. The dining service features a dynamic program tailored to meet all WU students. While a campus meal plan is required for all undergraduate residential students (via the Office of Residence Life), all students can use “Flex Dollars,” which is put on their Cardinal Card, to eat in the dining hall and the campus coffee shop. The campus coffee shop, located in the lower part of Swint Hall, is designed to cater to students on the run or seeking a coffee shop environment with a great view of the campus lawn. The Benedum Dining Room, also known as the BRoom, is located in Swint Hall and offers dining hours throughout the day. Students with special dining needs should contact Student Services.

## **Accessibility/Disability Services: Academic and Housing**

Wheeling University offers students with documented disabilities individual accommodations on a case-by- case basis with confidentiality in compliance with the American with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. Disability Services is available through the Student Success Center to assist students with their academic disabilities, individual accommodations requests and documentation requirements.

Ultimately, all students are responsible for their own academic achievement. They must attend classes, complete course assignments, and fulfill all University requirements for their chosen field of study. It is up to students with disabilities to seek out available assistance on campus and to utilize individual accommodations.

In order to receive accommodations under Section 504 and ADA, students with disabilities must self-identify to the University. They should provide current and comprehensive documentation concerning the nature and extent of the disability to Disability Services before each semester begins. Additional documentation may be needed for students who wish to qualify for special medical housing accommodations as determined by Disability Services in consultation with the Health Center, and the Director of Residence Life.

## **Health Center and Campus Health Safety**

The Health Center is staffed by a registered full-time nurse. The nurse is available to offer services of basic triage, minor first aid, some over the counter medications and other low intensity services at no extra charge. The Health Center provides healthcare resources internally and works as a liaison between external health care providers when needed. The Health Center is dedicated to promoting the Wheeling University mission for educational excellence and service to others by providing a holistic model of health care. All health records and visits are kept confidential unless otherwise directed by the student. Various medical records are required from the student and are managed and monitored by the Health Center. Students should submit Health Records via the *Med Proctor* link at <http://secure.medproctor.com/>. In addition, the University is fully committed to the health and safety of all students and members of the campus community.

## **Residence Life**

The majority of the University's undergraduate students reside on campus. There are five undergraduate residence halls: Champion, Ignatius, Kirby, McHugh, and Sara Tracy. All full-time undergraduate students are required to live in campus housing. Students may only live off-campus if they meet the criteria as outlined on the Off-Campus Residence Request form, which is available in the Office of Residence Life. It must be completed and submitted to the Office of Residence Life for approval. Graduate student housing is available at the Steenrod residence and information on rental units can be found at: <https://wheeling.edu/academics/graduate/graduate-housing/steenrod-apartments/>

The Residence Life staff informs students of University policies/procedures and assists them in their adjustment to the University environment. All students living in campus housing must utilize a campus meal plan. Contact the Office of Residence Life for more information about meal plans and to enroll.

On-campus living provides a balance of challenge and support for residents, allowing residents to learn about themselves and others and to take responsibility for themselves and their development. Therefore, the role of Residence Life is to contribute to the development of residents through the creation of diverse and positive living environments. The Director of Residence Life oversees the office and works closely with Area Coordinators, live-in professional staff that have responsibility for working closely with their residents. There are also student Resident Assistants who provide various programs and support to the residential students.

## **Student Government**

Wheeling University Student Government Association (SGA) provides students with a means of participation in the engagement of students in the life of the University. Student Government conducts regular meetings. Officers are elected by the student body and various chairs are appointed by the officers. Board members serve on various committees, regularly communicate student issues to members of the University's administration and involve other students in the governance process of student life.

## **Student Organizations**

The University has a number of clubs and groups that meet the needs of a diverse student body. Students are also encouraged to start a club or groups of their choosing if there is something they would like to see on campus. Interested students should stop by the Office of Student Services for more information and to meet with the staff set a plan of action together.

Honors based on exemplary student academic performance are also available and include groups that are local chapters of national honor societies. Academic honor societies are all managed through the appropriate academic department. See the "Awards" section of this Catalog for further details.

## **Campus Activities Board (CAB)**

The Campus Activities Board (CAB) is a student organization sanctioned by SGA that works to bring performers, comedians, and a wide variety of entertainment and educational programs to the WU community. This organization also sponsors SGA dances and various other campus events. In addition to programming, CAB works with the Student Government Association and other campus organizations in hosting events such as New Cardinal Days, Welcome Week, and Homecoming.

## **Campus Activities Board (CAB) (cont.)**

In cooperation with the Student Government association, the Office oversees the campus Intramural Program. The Intramural Program is directed by an elected SGA executive Board member who plans and implements the various offerings such as flag football, basketball, kick-ball or other seasonal sports and activities that students request.

All WU students are encouraged to participate in or take advantage of student activities. Most events are free of charge to WU students who pay a semester Student Activity Fee and can be found advertised in the online events calendar.

## **Student Services**

Student Services staff are dedicated to assisting students by providing quality support, co-curricular activities and developmental programs. Wheeling University is committed to the academic and social development of each student including his or her intellect, values, emotions and purpose. Student Services staff strive to empower students to become ethical decision makers, spiritual life discerners, global leaders and engagers in the pursuit of personal knowledge that leads to community and self-fulfillment.

An integral part of the WU academic environment, Student Services provides a holistic view to educating students. By providing activities and leadership opportunities beyond the classroom, Student Services assists the University in producing students who can and will contribute to the community and helps each to become more competent, virtuous and responsible citizens. It is comprised of the following offices: Residence Life, Student Activities, Performing Arts, Health Center and Counseling Center.

## **Title IX**

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance."

-Title IX of the Education Amendments of 1972

Title IX prohibits discrimination on the basis of sex (gender) in educational programs and activities receiving federal financial assistance. Wheeling University is committed to providing an environment free of discrimination on the basis of sex (gender), including sexual harassment, sexual misconduct, sexual assault, relationship (dating and domestic) violence, and stalking. The University provides resources and reporting options to students, faculty, and staff to address concerns related to sexual harassment and sexual violence prohibited by Title IX and University policy. Please see <https://wheeling.edu/about/title-ix/> for more information regarding WU's Title IX policies and procedures.

# Undergraduate Studies

## Admission Procedures

### First-Year Admissions

Candidates for admission to the first-year class must submit to the Admissions Office:

1. An official application
2. An official high school transcript (Cumulative GPA of 2.75 or higher)
3. A copy of the SAT or ACT scores. (Optional)

### Transfer Admissions

Candidates applying for admission with advanced standing must submit to the Admissions Office:

1. An official application
2. Official transcripts of all previous college work from each institution attended.
3. Transfer Clearance Form from the most recent college/university attended.

## Admission Requirements

### First-Year Students

Requirements for admission to Wheeling University include:

1. A high school diploma or its equivalent
2. 16 units of high school academic courses
3. Optional submission of the official results of either the new Scholastic Assessment Test I (SAT) or the American College Testing Program (ACT).

The 16 units of high school courses should be distributed as follows:

English	4
Mathematics	3
History/Social Sciences	3
Laboratory Science (Science Major–3 recommended)	2
Academic Electives	4

Applicants for programs in the natural sciences should have completed one unit of biology and one unit of chemistry.

### Transfer Students

General requirements for transfer students are as follows:

1. Cumulative college GPA of 2.0 or higher
2. Official transcripts of all previous college work from each institution attended must be submitted. Grades of C- or better are accepted.
3. Candidates may be asked to submit an official high school transcript upon request by the transfer counselor.
4. Transfer Clearance Form from the most recent college/university attended.

For those students who have earned an associate degree from a regionally-accredited institution with whom the University has an articulation agreement, the University will accept that associate degree as transfer credit per the appropriate articulation agreement. For those students who have earned an associate degree from a regionally-accredited institution, the University will accept that degree and all credits, but will also waive all core requirements except the senior-year Theology/Ethics course (may be transferred if an equivalent has been taken) and one writing intensive course. Evaluation of credits will be made by the Registrar at the time of acceptance. The University accepts credits only.

## Transfer Students (cont.)

The computation of a student's grade point average (GPA) will begin with courses taken at the University. Full-time students are classified as follows:

First Year	Less than 27 semester hours
Sophomore	Minimum of 27 semester hours
Junior	Minimum of 60 semester hours
Senior	Minimum of 90 semester hours

Transfer students are bound by the academic requirements stipulated in the catalog in effect during their first semester at the University. Any students transferring in during a summer session will be guided by the catalog requirements of the following fall semester.

## International Students

Wheeling University welcomes applicants from foreign countries. General admission requirements are as follows:

1. Students will satisfy acceptance standards listed above
2. A high school GPA of 3.0 and a high school or diploma or equivalent
3. Certification of proficiency in English as a second language (ESL) is achieved by a 213 computer-based or 80 internet-based on the Test of English as a Foreign Language (TOEFL) or an IELTS Band of 6.5 or higher.
4. Additionally, since the U.S. Department of Immigration and Naturalization requires international students to certify financial responsibility, certification of financial resources sufficient to cover college costs must be submitted by the appropriate financial institution. Tuition, room and board and required fees must be paid in full prior to beginning classes.

## Special Nursing Departmental Regulations

Bachelor of Science in Nursing (BSN) – All nursing students, regardless of the number of transfer credits, must meet the requirements of the Nursing curriculum, including the prerequisite core and cognate courses. A student may apply appropriate courses taken at other accredited institutions of higher education toward these required courses or may meet some requirements by challenge exams.

## Pre-Entrance Health Forms for all Wheeling University students

All entering students are required to return the WU pre-entrance health forms and verification of health insurance. The following are **mandatory requirements** prior to admission: Official documentation of a **PPD** (tuberculin skin test) within 12 months prior to start of classes. The TB test must be a two-step if the student has not had one performed annually. Hospitals require the two-step and then annually in subsequent years. **Tdap** (Tetanus-Diphtheria-Pertussis) within the last 10 years, and 2 **MMR** vaccines (Measles, Mumps and Rubella). Polio vaccination is required only for students that have resided outside the United States in wild poliovirus endemic countries in the past 12 months.

Students are **strongly recommended** to receive **Hepatitis B** vaccination (a series of 3 injections) or they must sign the WU waiver and **Meningococcal** vaccination (at least 5 years before starting college) or they must sign the WU waiver. If you are a health science major, you may be required to receive the Hepatitis B vaccine or your placement for clinical practice could be affected.

The following vaccines are recommended by the American College Health Association (ACHA) but not required:

- Varicella (if no previous history of chicken pox)
- Influenza (yearly, may be required if health science major)
- HPV (Human Papillomavirus Vaccine).

Nursing students are required to follow the immunization requirements for each clinical hospital site in addition to other requirements.

Please do not forward any medical documents via e-mail to maintain privacy of your personal information. Documents should be uploaded to MedProctor via, [www.medproctor.com](http://www.medproctor.com). Please call the Health Center at (304) 243-2275 for any questions or concerns regarding requirements.

### **Immunization Policies for Nursing Students:**

In addition to the requirements specified by the University, nursing students, prior to beginning the first clinical experience and/or annually, are required to have the following immunizations.

1. Hepatitis B Vaccine (3 dose series or titer showing immunity)
2. MMR (Measles, Mumps, Rubella) (2 doses or titer showing immunity)
3. Tuberculosis Mantoux Test (must be a 2-step initially unless there is proof of previous annual tests)
4. Tetanus, diphtheria, pertussis. (If your last Tdap vaccine was given more than ten years ago then you are required to get a Tdap booster. The booster must contain all three components.)
5. Meningococcal Vaccine or signed waiver
6. Varicella (or titer showing immunity)
7. Annual Influenza Vaccination (Certain clinical sites require ALL nursing students and faculty to have proof of vaccination). Proof of vaccination required yearly on November 1.

\*Please note: Immunization requirements may also differ by clinical agency.

## **Special Admission Programs**

### **Advanced Placement**

Wheeling University will grant credit and advanced placement to applicants who have successfully completed college-level courses taken in high school. The applicants must take the Advanced Placement (AP) examination of the College Entrance Examination Board or the International Baccalaureate Program (IB) in the subject for which advanced placement is desired. The decision of the University is based on the nature of the course taken and a score of 3, 4 or 5 on the AP examination or 5, 6, or 7 on the IB examination. Please contact the Registrar's Office for more detailed information.

### **Dual Enrollment - Classes for Rising High School Students**

Wheeling University will accept high school juniors and seniors on a special student basis at the special rate to be determined by the Board of Trustees. Course enrollments, however, are limited to the number of places available in the course, at a maximum of six credit hours per academic year at this special rate.

### **Dual Enrollment - Classes for Rising High School Students (cont.)**

Upon successful completion of a course, the student earns regular college credit, applicable in a degree program at the University (provided the student is accepted by the University as a degree student) or used for transfer to another institution. In some cases, the high school student may be able to use the credit to fulfill a high school requirement, as well as have it recorded on a Wheeling University transcript.

High school students dropping from their class/classes in any given semester will follow the refund schedule listed in the catalog for all students.

## **Tuition, Fees, Room and Board**

**Tuition and Fees for undergraduate day students and Learn Local (commuter) students for the 2023-2024 academic year can be found here:**

<https://wheeling.edu/wp-content/uploads/2022/11/2023-2024-Combined-tuition-sheet-1.pdf>

There are many opportunities for scholarships, grants, or loan aid available to WU students. Please see the "Financial Aid" section of the Catalog or contact the Financial Aid office at 304-243-2304 for more information.

## **Explanation of Fees**

### **Audit Fee**

The audit fee must be paid to audit a class in any division.

### **Challenge Tests**

This fee is assessed to test out of a nursing course. These tests are only available to students in the RN to BSN program.

### **Clinical Science Fee**

Any student majoring in any health majors other than nursing must pay a clinical science fee every semester from their sophomore year until they graduate. This fee covers the additional expense of the health majors.

### **Exercise Science Fee for EXSC 313**

This fee is associated with the field and laboratory tests conducted as part of the course.

### **Graduation Fee**

A graduation fee is incurred by each graduating student regardless of the student's plans to participate in commencement ceremonies. Students will incur the graduation fee with each degree awarded.

### **\*Health Fee – Mandatory Fee**

To assist with providing health center services. This is a per term semester fee for day students and a per term fee for Physical Therapy doctoral students. Included in Tuition charge.

### **I.D. Card**

An initial fee is charged for a WU identification card.

### **I.D. Card Replacement**

A fee is assessed per occurrence to replace a WU identification card.

### **Laundry Fee \$60.00 per semester.**

Residential students only. Included in the Room charge-

### **Late Registration Fee - \$50.00**

### **New Student Fee**

The new student fee is a one-time fee charged to full-time day students to cover the cost of setting up a file and orientation.

### **NSF Fee**

All returned checks will be assessed this fee.

### **Nursing Fee**

The nursing fee is charged every semester to all nursing students from their sophomore year until they graduate. This fee covers the additional expense of the nursing program.

### **Over-Hours Charge**

This charge is assessed when taking more than 18 credit hours per semester.

### **Parking Permit**

A parking permit fee for registering an automobile on campus is assessed each fall and spring semester.

### **Psychology Fee**

This fee is associated with all Psychology courses to cover the cost of disposable goods and services typically related to student research.

### **Science Lab Fee**

A science lab fee is associated with any course that has a corresponding lab. The fee pays for additional supplies needed in the lab.

## **Explanation of Fees (cont.)**

**\*Student Activity Fee – Mandatory Fee** - \$100.00 per semester for all residential and commuter undergraduate students. This fee funds student activities through student government allocations. Student participation in activities is either free or in some cases at a very minimal cost (see Tuition, Fees, Room and Board section).

### **\*Student Recreation Fee – Mandatory Fee**

This fee is dedicated to the maintenance, repair and replacement of student recreational facilities and/or equipment. It is applied to all full-time undergraduate day students. This is a semester charge for day students. Included in the Tuition charge.

### **Study Abroad Fee**

This fee covers the administrative costs associated with setting up the abroad program. This fee is assessed to all students enrolled in a study abroad program in the fall and spring semesters.

### **\*Technology Fee – Mandatory Fee**

The technology fee covers the cost of upgrading technology on campus. This is a semester charge for undergraduate residential and commuter students. Included in Tuition charge.

## **Room and Board**

All full-time undergraduate students are required to live on campus per the University's Residency Requirement. Information regarding the exception to this requirement can be found within the Student Handbook or by contacting the Office of Residence Life.

All students living on campus are required to sign a housing contract that is legally binding for the entire academic year. Any student who moves off campus without prior permission from the Office of Residence Life is subject to pay the entire housing fee for the academic year. Any student who breaks a housing contract at any point during the academic year is subject to pay for the entire housing fee for the academic year.

Freshmen students are required to be on a specific meal plan during their first academic year. Sophomore, Junior, and Senior students have meal plan options.

Residential students who withdraw will be refunded room/board costs based on the Financial Aid refund schedule. Only if a student's meal plan usage is more than the refund will it necessitate that the student be charged more for the meal plan usage.

Single rooms in the residence halls are only available when space permits. Single rooms carry an additional fee.

## **Tuition Deposit**

Each entering new student is required to make a non-refundable tuition deposit, upon notice of acceptance, to secure a place at Wheeling University. The tuition deposit is credited to the student's account on the first billing of the corresponding semester.

## **Payments**

All balances are due and payable from prior to the first day of class. Summer school classes are to be paid in full by the first day of class. Until payment is made, or an administered payment plan is accepted, registration will be incomplete, and the student may not attend classes nor have access to the residence hall or meal plan.

The only alternative to payment in full, which includes financial aid, is through a contract with a payment plan through or endorsed by the University. Information regarding a payment plan may be obtained from the Student Accounts Office. Wheeling University will not issue transcripts and reserves the right to withhold diplomas for students whose accounts indicate an outstanding balance.

Accounts not paid in full by the required due dates may be assessed a late fee or a monthly finance charge of one and one quarter percent on the unpaid past due charges. The finance charge will not be assessed against those accounts that have contracted for a payment plan. During the period of registration (usually one month), interest for current semester charges will be suspended so that all the necessary paperwork relating to loans, federal grant programs, etc., can be processed.

Student financial aid cannot be credited to a student's account until the University's Financial Aid Office has certified aid and the student has completed all paperwork, promissory notes and the entrance interview.



## Payments (cont.)

Students are responsible for all attorney's fees and other reasonable collection costs and charges necessary for the collection of any amount not paid when due.

## Payment Plan Option

Wheeling University accepts monthly payments made by payment plan through or endorsed by the University. For detailed information regarding a payment plan, students should contact the Student Accounts Office.

## University Withdrawal Refund Policy

*NOTE: The refund policy and procedures for Financial Aid are separate and distinct from the University refund policy and procedures. The refund policy and procedures for Financial Aid can be found under the Financial Aid section of this Catalog. It is important to check with the Financial Aid office prior to withdrawing from the University as both the University refund policy and the Financial Aid refund policy may be applied.*

The University Withdrawal Refund Policy applies to withdrawals from the University, not withdrawals from individual courses. Request for withdrawal from the University must be obtained from the Registrar's Office. Neither verbal communication nor failure to appear in class will be considered official notification of withdrawal. Refunds will be granted only to those students who have followed the procedural policy of completing the proper forms.

A student who withdraws from the University will have the tuition and mandatory fees refunded based the table below. No refund of tuition is made after the third week of a semester.

Fall / Spring Semester	Refund
Days 1 - 7	100%
Days 8 - 14	75%
Days 15 – 21	50%
After Day 22	0%

Summer Semester	Refund
Add-Drop Period	100%
After Add-Drop	0%

The above refund applies to withdrawals from the University, not withdrawals from individual courses. Request for withdrawal from the University must be obtained from the Registrar's Office. Neither verbal communication nor failure to appear in class will be considered official notification of withdrawal. Refunds will be granted only to those students who have followed the procedural policy of completing the proper forms.

## Refund Checks

Students with an actual credit balance are issued an overage/refund check. These checks cannot be processed until a week after the add/drop period – typically the second Friday of each semester. The checks are written when necessary thereafter. These checks can be picked up in the Business Office. Any checks not picked up within a two-week period will be mailed to the student's home address. Students can request to have these checks mailed at any time.

## **Policy Concerning Students Affected by Military Mobilization**

Students called to active duty military service will have one of two options:

1. If enough class instruction has occurred and the faculty member can justify giving a grade of incomplete, the student will have the option of taking an "I." When the student returns, they will be allowed to finish the course work and have the grade changed to the appropriate letter grade. In this case, no tuition will be refunded.
2. If the first option is not available or if the student chooses not to take advantage of it, the student will be refunded full tuition and fees for the semester in which they are currently enrolled. If the student is a boarding student, the University will pro-rate their room and board charges for the amount used. Their financial aid package will be adjusted to reflect the lower charges.

\*Notify the VA Certifying Official in the Registrar's Office if you are receiving VA tuition benefits.

## **Cardinal Card/Flex Dollars**

Money may be deposited onto a student's Cardinal Card for purchases at the Kiosk and Coffee Shop and/or to use at the Benedum Room. Any money remaining in any of the accounts from the fall semester will be carried over to the spring semester. If the student does not use all the money by the end of the spring semester, the student will lose that amount. Remaining money at the end of the spring semester does not carry forward.

## **Veterans Benefits**

Wheeling University welcomes all who have served in the Armed Forces and their family members. Whether you are a discharged veteran, serving on active-duty, in the National Guard or Reserves, or an eligible dependent, WU is committed to supporting your success. A service member may be eligible to receive post-secondary credit for one's training and/or experience by submitting a certified DD214 for evaluation. To apply for Veterans Benefits, visit [www.benefits.va.gov/gibill/](http://www.benefits.va.gov/gibill/) and select "Apply for Benefits". A student receiving benefits must achieve institutional standards of progress toward one's degree in order to continue to receive educational benefits. For additional information regarding veteran educational benefits, contact the Office of the Registrar at 304/243-2090/2279 or [registrar@wheeling.edu](mailto:registrar@wheeling.edu).

## **VA Pending Payment Compliance**

In accordance with Title 38 US Code 3679(c), Wheeling University (WU) will not penalize recipients of the Post 9/11 GI Bill or Veteran Readiness & Employment, while payment to the institution is pending from the Department of Veterans Affairs. Wheeling University will not prevent a student's enrollment, assess a late penalty fee against a student, require a student to secure alternative or additional funding, or deny a student access to any resources (including but limited to classes, libraries, or other institutional facilities) available to students who have satisfied their financial obligation to the University. To qualify for this provision, a student must provide WU with A Certificate of Eligibility (or equivalent) or VA Form 1905 by the first day of class, along with a request for certification of benefits, and other required information essential to the certification process.

If you have any questions regarding this provision, please contact the Office of the Registrar at 304-243-2090 or [registrar@wheeling.edu](mailto:registrar@wheeling.edu).

# Financial Aid Information

The Financial Office coordinates the University, federal and state financial aid programs. This office also provides information regarding scholarships, loans and grants from private sources (non-institutional, non-governmental aid). Detailed information about the variety of aid opportunities and how to apply for them is described in the Financial Aid Programs section of this Catalog.

## Financial Aid Programs

Financial aid is awarded on the basis of scholastic achievement, financial need, or a combination of both. Offers of assistance are designed to supplement the resources of the family and may vary per academic year or program. Financial assistance may be in the form of federal, state, University or private aid. There are three types of aid: gift aid (grants and scholarships), loans (federal and private) and work study opportunities.

For federal, University, state and most private aid, family resources are measured by the needs analysis formula of the Free Application for Federal Student Aid (FAFSA). All students are required to file the FAFSA if they wish to apply for federal, state, and University aid. The FAFSA is completed and filed electronically at [www.studentaid.gov](http://www.studentaid.gov), an official U.S. Department of Education Website. You can apply for your FSA ID by going to <https://studentaid.gov/fsa-id/create-account/launch>.

## How to Apply

1. The student must be accepted for admission to the University in order to receive an official offer of financial aid. If applying after October 1 of the high school senior year, an applicant should apply for financial aid and for admission concurrently.
2. An applicant for aid must submit the Free Application for Federal Student Aid (FAFSA) and list Wheeling University's Federal school code: 003831. Most states use the FAFSA for their grant programs; check with your state grant agency for details. Once the FAFSA has been filed and processed, the Department of Education (DOE) will send the student and the University an electronic student aid report (SAR) provided the student listed the correct Federal school code and correct Social Security Number (SSN) on the admission application. Corrections to the FAFSA can be made electronically through the FAFSA website and submitted for DOE processing.
3. Wheeling University may be required to verify information submitted on the FAFSA at the request from the Department of Education. If additional information is requested the student will receive a letter, and subsequent emails requesting the documentation.

## Wheeling University and Federal Aid Programs

Wheeling University aid will only be awarded for a total of four years. Federal aid will be awarded until the student has reached the aggregate loan & Pell Grant limits. Students who take longer than four years to complete a bachelor's degree may appeal to use for an additional semester. The Additional Semester Appeal form is located on the Financial Aid website [at: https://wheeling.edu/admissions/financial-aid/financial-aid-forms/](https://wheeling.edu/admissions/financial-aid/financial-aid-forms/). The Financial Aid Committee will review and decide the outcome of the appeal request. Wheeling University aid requires full-time enrollment. Wheeling University aid will not be awarded in excess of any students' direct costs with the University.

## Academic Scholarships

The Wheeling University Scholarship Program provides financial assistance to students who demonstrate potential for scholarship and leadership. These awards are based on demonstrated merit and may be unrelated to financial need. (However, the awards may affect other need-based aid in the aid packages.) For more information about our academic scholarships, please visit our website <https://wheeling.edu/admissions/financial-aid/scholarships-grants/institutional-grants-scholarships/>. Competitive and Endowed Scholarship awards are made based on a competitive application process and the recommendations of an advisory committee. Please visit our website to apply: <https://wheeling.edu/admissions/financial-aid/scholarship-application/>.

## Externally-Supported Scholarships

### Diocesan Scholarship

Funded by donations of parishioners in the Wheeling–Charleston Diocese, these scholarships are based upon financial need and academic promise. Students apply to the Diocese.

### Circle of Vision Scholarship Program

This was developed by the West Virginia Independent Colleges and Universities, Inc., which raises funds that provide support to students at member schools. Major contributors to this annual campaign will have named scholarships awarded to WU students who are residents of WV with demonstrated need and academic excellence.

### Project Best Scholarship

This scholarship is funded by Project Best (Building Efficiency by Striving Together) for an employee (or spouse or child) working for a sponsoring company/labor union in the construction industry. Applications are available from and submitted directly to Project Best in Wheeling, WV, or the Follansbee, WV, Steubenville, OH area. One or two scholarships of \$1,000 each are awarded annually by the University. They are renewable if no new recipients are found in any year.

Students and their families are also encouraged to use the free scholarship searches available on the internet to explore scholarship eligibility from various organizations that offer financial assistance to those meeting specific but extremely diverse criteria. Several scholarship searches are currently available on the internet.

## Federal and State Aid Programs

### Federal Pell Grant

This program is based upon financial need as determined by completing the FAFSA.

### West Virginia Higher Education Grant

Awarded by the State of West Virginia, this grant is based upon financial need and a satisfactory academic record. The FAFSA must be submitted by April 15. Recipients must complete 24 credit hours per academic year and maintain a 2.0 cumulative GPA. For more information, please visit [www.cfwv.com](http://www.cfwv.com).

### West Virginia Promise Scholarship

Awarded by the State of West Virginia, this is based on academic achievement in high school. Students must file the FAFSA form and meet the March 1 deadline. Recipients must complete 30 credit hours per academic year and maintain a 3.75 cumulative GPA in their first year and a 3.0 cumulative GPA thereafter. For more information, please visit [www.cfwv.com](http://www.cfwv.com).

### West Virginia Health Sciences Service Program

The Health Sciences Service Program is a loan repayment program (not a financial aid scholarship) for health professions students interested in practicing in underserved communities in West Virginia. The program makes approximately 15 awards each academic year to students enrolled in West Virginia healthcare education degree programs. \$15,000 for students training to become nurse educators, nurse midwives, nurse practitioners, occupational therapists, pharmacists, physical therapists, physician assistants, clinical psychologists, public health practitioners, and clinical social workers.

Awards are made based on a competitive application process and the recommendations of an advisory committee. Funds are provided to participants once they begin practicing and provide documentation regarding their educational loan balances. For more information, please visit [www.cfwv.com](http://www.cfwv.com).

### Other State Grants

Students may also use Pennsylvania Grants (deadline May 1) at Wheeling University. Other states may permit the use of their state grants at Wheeling University. Check with the Financial Aid Office or your state grant agency.

### Federal Supplemental Educational Opportunity Grant (SEOG)

This grant is awarded by the University on the basis of exceptional need and first given to students who have Pell Grant eligibility (limited funding).

## **Federal and State Aid Programs (cont.)**

### **Teach Grant**

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. For eligibility requirements and a service agreement, please visit <https://studentaid.gov/understand-aid/types/grants/teach> .

### **Federal Work Study**

This program is based on need and is awarded to students to supplement other forms of financial assistance. Students earn minimum wage while working on-campus jobs or community-service jobs. Federal Work Study is awarded but is not guaranteed. It is not credited to the student's tuition account until the student acquires a job, works sufficient hours and signs a form with the payroll clerk to have the earnings credited to his/her tuition account. It is the student's responsibility to find a job (limited funding).

### **Federal Direct Loans**

A federal loan to students is available through the FAFSA. The need or non-need based is determined by the University COA. For details on this educational loan program, contact the Financial Aid Office.

### **Federal Direct PLUS Loans**

The Federal Parent Plus Loan for Undergraduate Students is a loan through the Department of Education to credit-worthy parents who may borrow cost of education minus any other aid received by the student. For details on this educational loan program, visit [www.studentaid.gov](http://www.studentaid.gov).

The Federal Grad Plus Loan for Graduate or Professional Students is a loan through the Department of Education to credit-worthy student who may borrow cost of education minus any other aid received by the student. For details on this educational loan program, visit [www.studentaid.gov](http://www.studentaid.gov).

### **Alternative Educational Loans**

Alternative educational loans are offered through private lenders to supplement costs not covered by other financial aid programs. A student may borrow the cost of education minus any other aid resource. The application process and terms of these loans depend upon the borrower. For details on these loan programs, contact the Financial Aid Office.

## **Rights & Responsibilities of Financial Aid Recipients**

As a consumer of a commodity (financial aid for a higher education), you have certain rights to which you are entitled and certain obligations for which you are responsible.

### **You have the right to know:**

- The names of accrediting or licensing organizations
- Information about its programs; its instructional, laboratory and other physical facilities and its faculty.
- Special facilities and services available to persons with disabilities.
- What financial assistance is available, including information on federal, state, and institutional financial aid programs;
- The deadlines for submitting applications for the federal aid programs available;
- The cost of attending the University and its refund policy;
- The criteria used by the University to select financial aid recipients;
- How the University determines your financial need;
- What resources (such as parental contribution, other financial aid, your assets, etc.) are considered in the calculation of your need;
- How much of your financial need, as determined by the University, has been met;
- What portion of the financial aid you received is loan aid and what portion is grant aid. If the aid is a loan, you have the right to know what the interest rate is, the total amount that must be repaid, the repayment procedures, the length of time you have to repay the loan, and when the repayment is to begin;
- How the University determines whether you are making satisfactory academic progress and what happens if you are not.

**It is your responsibility to:**

- Review and consider all information about the University before you enroll;
- Complete all application forms accurately and submit them on time to the right place;
- Pay special attention to and accurately complete your application for financial aid. Errors can result in long delays in receiving financial aid. Intentional misreporting on application forms for federal financial aid is a violation of the law and is considered a criminal offense, subject to penalties under the U.S. Criminal Code;
- Submit all additional documentation, verification, corrections and/or new information requested by the Financial Aid Office;
- Read all forms that you are asked to sign and keep copies of them;
- Accept responsibility for all agreements that you sign;
- Notify the Financial Aid Office of changes in your name, address, housing or enrollment status. (This also applies to loan recipients after they leave the University);
- Perform the work agreed upon in accepting a work study award;
- Know and comply with the University’s deadlines for application or reapplication for aid;
- Know and comply with the University refund procedures;
- Notify the Financial Aid Office in advance when your course load at the University may be less than full- time. Failure to do so will cause delay in the receipt of your funds;
- Notify the Financial Aid Office of any changes in financial status. Failure to do so can result in termination of financial assistance;
- Maintain satisfactory academic progress. Withdrawal from the University or never attending classes will result in partial or full repayment of aid disbursed for the semester involved.

## **Student Withdrawal - Financial Aid Refund Policy**

Withdrawal from a class or from all classes may impact aid eligibility, both in the semester in which the withdrawal occurs and subsequent semesters. The University’s refunds are made based on University Refund Withdrawal Policy as stated below:

- The University Withdrawal Refund Policy applies to withdrawals from the University, not withdrawals from individual courses.
- Request for withdrawal from the University must be obtained from the Registrar’s Office or through submitting to [registrar@wheeling.edu](mailto:registrar@wheeling.edu) a Withdrawal form found at <https://wheeling.edu/academics/registrars-office/forms/>
- Neither verbal communication nor failure to appear in class will be considered official notification of withdrawal. Refunds will be granted only to those students who have followed the procedural policy of completing the proper forms.
- A student who withdraws from the University will have the tuition and mandatory fees refunded based the table below.
- No refund of tuition is made after the third week of a semester.

<b>Fall / Spring Semester</b>	<b>Refund</b>
Days 1 - 7	100%
Days 8 - 14	75%
Days 15 – 21	50%
After Day 22	0%

<b>Summer Semester</b>	<b>Refund</b>
Add-Drop Period	100%
After Add-Drop	0%

Refunds to financial aid programs are made in compliance with the U.S. Department of Education Federal Title IV Refund Policy regulations, state program policies and University regulations.

## **Federal Return of Title IV Aid (R2T4)**

The Financial Aid Office is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of a payment period or term. If a student leaves the institution prior to completing 60% of a payment period or term, the financial aid office recalculates eligibility for Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

Percentage of payment period or term completed = the number of days completed up to the withdrawal date divided by the total days in the payment period or term. (Any break of five days or more is not counted as part of the days in the term.)

This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

Aid to be returned = (100% of the aid that could be disbursed minus the percentage of earned aid)

multiplied by the total amount of aid that could have been disbursed during the payment period or term.

## **Federal Return of Title IV Aid (R2T4) (cont.)**

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds, and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student earned more aid than was disbursed to him/her, the institution would owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of the determination of the date of the student's withdrawal.

### **Refunds are allocated in the following order:**

- Unsubsidized Direct Loans (other than PLUS loans)
- Subsidized Direct Loans
- Direct PLUS Loans
- Federal Pell Grants for which a Return of funds is required
- Federal Supplemental Opportunity Grants for which a Return of funds is required
- TEACH Grants for which a Return is required
- Iraq and Afghanistan Service Grant for which a Return is required
- For other assistance under this "Title" for which a return of funds is required (e.g., LEAP)

In the case of expelled/suspended students who also receive Title IV federal aid, a Return of Title IV Refund Calculation will be completed; this may result in the expelled/suspended student owing an additional balance to the University. This information will be determined on an individual basis by the Financial Aid Office.

## **Renewal of Financial Aid**

Students must reapply for financial aid each academic year. To process your renewal FAFSA online, go to on or after October 1. To remain eligible for aid, students must also maintain satisfactory academic progress. To renew most types of aid, a student must maintain a 2.0 minimum cumulative GPA and complete 66.67% of attempted credit hours. The Financial Aid Office reviews aid eligibility at the end of every semester. If a student's percentage of completed hours falls below 66.67% or GPA falls below the minimum requirements, then student will be placed on Financial Aid SAP Warning and if a repeat student will be put on SAP Probation.

## **Satisfactory Academic Progress for Financial Aid**

**Satisfactory Academic Policies and Procedures:** Federal regulations require that institutions monitor the academic progress of each student for federal financial aid assistance and that the institution certify that the student is making *satisfactory academic progress* toward earning his/her degree. The determination of progress is completed at the end of each semester. This must be completed before the Financial Aid Office releases any federal aid funds for the subsequent semester. Wheeling University will monitor credit hour completion requirements and grade point average at the end of each semester. Scholarships may require higher academic standards than those provided under the academic progress guidelines.

## **Requirements for Satisfactory Academic Progress**

- Students must successfully earn 66.67% of cumulative, attempted credit hours.
- Undergraduate students must maintain a minimum, cumulative GPA of 2.0
- Maximum Time: Students must not exceed the specified maximum number of attempted hours to complete their degree programs.

## **Maximum time frame to earn a degree**

To quantify academic progress, an institution must set a maximum time frame in which a student is expected to complete a program. For an undergraduate program, the maximum time frame cannot exceed 150% of the published length of the program measured in credit hours attempted.

The majority of the undergraduate programs require 120 credit hours for graduation. The maximum time frame for students in the programs is 180 attempted credit hours ( $120 \times 1.5 = 180$ ). Students whose programs require more than 120 credit hours for a degree will have a higher limit. Students are normally expected to complete an undergraduate degree by the end of 4 years. Therefore, students will forfeit their eligibility to participate in federal financial aid programs after 6 years of full-time enrollment ( $4 \times 1.5 = 6$ ).

## **Withdrawals and Pass/Fail (Credit/No Credit) Courses:**

Grades of W and FA are counted as courses attempted and count toward the maximum time frame.

## **Incompletes or Grade Changes:**

Grades of I and X are counted as courses attempted and count toward the maximum time frame. Students must report any grade change to the Financial Aid Office that may impact their financial aid eligibility.

## **Double Majors and/or Minors:**

Students who receive approval to pursue a double major/minor will be expected to complete all degree requirements before reaching 180 attempted credit hours.

## **Change in Major:**

Students who change their majors will be expected to complete all degree requirements before reaching 180 credit hours.

## **Transfer Credit Hours:**

Students who transfer credit hours into Wheeling University will be counted as credit hours completed and count toward the maximum time frame.

## **Repetition of Courses:**

If a student repeats a course, both grades will appear on the transcript, but only the most recent grade will be factored into the student's adjusted GPA. Repeated courses will be counted as courses attempted and count toward the maximum time frame.

## **2nd Bachelor's Degree:**

To earn a second bachelor's degree at Wheeling University, a student must fulfill the requirements of the new major and fulfill the residency requirements of two full semesters or thirty credit hours earned at WU. Some majors will involve substantially more than two semesters for completion. Students working towards a second degree are no longer eligible for Federal Pell Grant, Federal SEOG, state aid and institutional aid. Students are limited on how much they can borrow under the Federal Direct Loan Program.



## Credit Hour Progression:

For students to earn a bachelor's degree they must successfully complete 120 credit hours within a limited time frame. Students are considered to be progressing normally or on pace towards degree completion as follows:

<b>First Year</b>	less than 27 completed semester hours
<b>Sophomore</b>	minimum of 27 completed semester hours
<b>Junior</b>	minimum of 60 completed semester hours
<b>Senior</b>	minimum of 90 completed semester hours

To determine enrollment status of a student, the University will use the number of credit hours in which the student is enrolled for on the first day following the add/drop period each semester.

- Credit completion requirement for a full-time student (12 + credits/semester): the student is required to complete a minimum of 24 credit hours per academic year.
- Credit completion requirement for a three-quarter-time student (9-11 credits/semester): the student is required to complete a minimum of 18 credit hours per academic year.
- Credit completion requirement for a half-time student (6-8 credits/semester): the student is required to complete a minimum of 12 credit hours per academic year.

Note: A student who enrolls at different enrollment levels during the academic year will have the credit completion requirement pro-rated. Example, Full-time enrollment –fall semester and half-time enrollment –spring semester, the student must complete a total of 18 credit hours during the academic year.

## Qualitative Standards-Grade Point Averages:

A student must maintain at least a 2.000 cumulative grade point average (GPA) to be considered making satisfactory academic progress. If the student's GPA falls below the cumulative 2.000 requirement for two consecutive semesters, the student will automatically lose federal financial aid eligibility.

Additionally, students must have a higher cumulative GPA in order to retain eligibility for the WV PROMISE Scholarship.

The required cumulative GPA is as follows according to the student's academic grade level:

- WV PROMISE Scholarship – First Year 2.75 and 3.0 thereafter.

## Procedures

Students receiving financial aid will be evaluated at the end of each semester to determine that they are meeting the standards described above. If the student has reached the maximum number of credit hours without earning the degree, the student will no longer be eligible to participate in the federal financial aid programs.

*Federal regulations require that these standards apply to all students. This includes first-time aid applicants, students who have previously enrolled at Wheeling University, or those who have not been formally placed on probation.*

## Financial Aid Warning

The first time a student experiences academic difficulty, he or she will receive a "financial aid warning" letter. This letter will remind them of the minimum academic requirements for their financial aid programs and strongly recommend them to take advantage of the academic resources available to them. Students will be eligible to receive federal financial aid during the Financial Aid Warning semester. Students will be notified that their academic records will be checked again at the end of that semester. Further action may need to be taken if there are no significant improvements during their warning semester. *Students can only receive financial aid for one semester under this "warning" status.*

## Financial Aid Probation

If a student fails to reach the maximum number of scheduled hours, and/or the student has fallen below the completion ratio standards for satisfactory progress, and/or does not meet the minimum GPA requirement during the Financial Aid Warning

## **Financial Aid Probation (cont.)**

term, the student will be placed on Financial Aid Probation. Students who fail to maintain the required minimum GPA will also be placed on Financial Aid Probation. Students on Financial Aid Probation will receive a separate letter that will outline the academic requirements they must meet in order to re-gain financial aid for the following semester. If the student on Financial Aid Probation meets the required conditions of the probation, then the student will be permitted to participate in the federal financial aid programs for subsequent semesters. Students that have been placed on probation have the right to appeal this determination. If the appeal is granted, the student will be eligible to receive federal financial aid for the subsequent semester. They will be considered as making satisfactory academic progress for the purpose of receiving financial aid as long as they continue to meet the academic requirements outlined in their probationary letter.

The Financial Aid Office will review the academic records of each student on Financial Aid Probation at the end of each semester. If the student is not meeting the terms outlined on their probationary letter, the student will forfeit their federal financial aid eligibility.

## **Lack of Satisfactory Progress Equals Loss of Federal Financial Aid Eligibility**

Students who lost eligibility to participate in the federal financial aid programs for reasons of academic progress can regain that eligibility by enrolling at Wheeling University at their own expense (no financial aid assistance). Within the unfunded semester, the student is able to meet Satisfactory Academic Progress as set forth in the policy, they will be able to regain their financial aid eligibility.

*Students who have been academically excluded from the University and decide to re-enroll are not automatically eligible to continue to participate in federal, state or institutional aid programs.*

## **Right to Appeal**

A student has the right to submit a written appeal to any decision of ineligibility to continue to receive financial aid. This appeal must be submitted in writing to the Director of Financial Aid within 30 days of notification that the student's aid eligibility has been lost. Appeal letters must be written by the student and submitted via US postal mail, fax or email. All appeal letters must have the student's signature. Appeal letters that are emailed must be submitted through their WU campus email account, which will represent the student's signature. The Financial Aid Committee will then review all financial aid appeals submitted to the Director of Financial Aid. The appeal cannot be based on the need for financial assistance or lack of knowledge that financial aid was at risk. The appeal needs to be based upon some extenuating circumstance or condition which prevented the student from successfully completing attempted credit hours and/or lack of GPA, or which necessitated that the student withdraw from class(es). Students must include in their appeal letter: 1.) Why the student failed to maintain satisfactory academic progress; and 2.) What has changed that will allow the student to make satisfactory academic progress during the next semester. Examples of possible situations include death of a family member, serious injury or illness, loss of job, etc.

Students will need to provide documentation along with their appeal letter within the 30 days of notification that the student's aid eligibility has been lost. Examples of possible documentation include death certification, copy of obituary, hospital bills, notification of job loss or overtime work on company letterhead, etc. If no proof of documentation was provided, the Financial Aid Committee will not evaluate the appeal letter; therefore, the student will forfeit any financial aid eligibility.

If the appeal is denied, the student may still be able to regain his or her eligibility for future semesters. The student will need to enroll at Wheeling University at his or her own expense (no financial aid assistance) and implement an academic plan with the Financial Aid Office and Director of Undergraduate for Success, in advance for the conditions under which eligibility can be regained.

***Appeal Approval:*** Appeals can only be approved if the Financial Aid Appeals Committee determines:

- The student will be able to meet the University's satisfactory academic progress after the next payment period; or
- The student has agreed to follow an academic plan that, if followed, the student can meet the University's satisfactory academic progress guideline by a specific point in time.

## **Right to Appeal (cont.)**

Students whose appeals are granted will receive financial aid on a conditional basis for one semester. The conditions will be outlined in the letter sent to the student granting the appeal. The Financial Aid Committee will review the student's record at the end of each semester to determine their status for the following semester. Students who fail to meet the conditions outlined in their individualized academic plans during their semester will not be able to submit a subsequent appeal.

## **Academic Plan Procedure**

In conjunction with the Director for Academic Student Success, students will be required to develop a written Academic Plan as part of any appeal process. The Academic Plan will include any of the following:

- Regular meetings throughout the semester with the Director of Student Academic Success.
- Specific steps that the student will take throughout the semester to address the academic difficulties that they encountered in previous semesters.
- Students may be referred to other on-campus departments to address any other problems that may have impacted the student's eligibility to succeed academically.
- Students may also be required to retake courses, review current academic major, faculty early monitoring/academic alerts, and/or conduct inventory on learning styles.

The student's financial aid eligibility will be reinstated for the upcoming semester upon approval of the student's appeal letter and a proposed academic plan. The Financial Aid Committee reserves the right to add additional requirements to the Academic Plan.

## **Resources Available for Students:**

- Student Success Center
- WU Student Counseling Services – Health Center
- Campus Ministry

# **Student Information**

## **Student Rights and Responsibilities**

Wheeling University as an educational institution is committed to providing for its students a campus environment in which serious study and learning can take place. The University considers all students, residents, and non-residents as its partners in the responsibility of creating and maintaining that environment. All students are expected to conduct themselves accordingly and are expected to abide by all the policies and regulations of the University as a condition of academic acceptance to the University. While many such policies and regulations are discussed in this catalog, students are expected to be familiar with the University's academic catalog and other publications regarding such matters.

Judicial authority in non-academic affairs is vested in the Student Services through the Vice President for Student Services and his/her delegates. The Student Conduct process is described in the Student Code of Conduct and Sanctions section of the WU Student Handbook, available online or in hard copy through the Student Services.

## **Honor Code**

As a Wheeling University student there is an ethical principle governing the community both academically and socially, the ideals of which constitutes honorable behavior within the community as a whole. To act honorably that community member is trusted to uphold values of integrity and accountability to the University community. All students are bound by the honor code because of their membership in the Wheeling University community. The value of integrity means to not lie, cheat, steal, or bring harm to others or their property. A value of accountability means to hold yourself to these ethical principles as well as not condoning the actions of others who violate these values. By not reporting violations one can be construed as condoning another's actions. Those who are in violation are subject to various sanctions, up to and including expulsion from the institution.

## **Honor Code (cont.)**

Academic honesty and integrity sit as the highest responsibility for all students. The Student Honor Code (adapted by Student Government) states: “We, as unique members of the Wheeling University community, strive for constant improvement of ourselves through discipline, honesty, and responsibility. While embodying the values of integrity, accountability, and respect for others, we wish to be instruments of hope, justice, and righteous action.” Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action. The quality of a Wheeling University education is dependent upon the community acceptance and enforcement of the Honor Code. For more information about academic honesty, a student may contact Academic Affairs, Student Services, or his or her department chair.

## **FERPA & Student Records Policy**

FERPA is a Federal law that is administered by the Family Policy Compliance Office (Office) in the U.S. Department of Education (Department). 20 U.S.C. § 1232g; 34 CFR Part 99. FERPA applies to all educational agencies and institutions (e.g., schools) that receive funding under any program administered by the Department. Private postsecondary schools, generally do receive such funding and are subject to FERPA.

Once a student reaches 18 years of age or attends a postsecondary institution, he or she becomes an "eligible student," and all rights formerly given to parents under FERPA transfer to the student. The eligible student has the following rights:

- the right to have access to his or her education records;
- the right to seek to have the records amended;
- the right to have control over the disclosure of personally identifiable information from the records (except in certain circumstances specified in the FERPA regulations, some of which are discussed below);
- and the right to file a complaint with the Department.

FERPA generally prohibits the improper disclosure of personally identifiable information derived from education records. Thus, information that an official obtained through personal knowledge or observation, or has heard orally from others, is not protected under FERPA. This remains applicable even if education records exist which contain that information, unless the official had an official role in deciding that generated a protected education record.

Under FERPA, Wheeling University is not generally required to maintain particular education records or education records that contain specific information. Rather, it is required to provide certain privacy protections for those education records that it does maintain. Also, unless there is an outstanding request by an eligible student to inspect and review education records, FERPA permits Wheeling University to destroy such records without notice to the student.

## **Use of Directory Information**

Wheeling University designates the following items as directory information: student name, address, telephone number, email address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, grade level, full or part-time status, most recent previous school attended and photograph. The University may disclose any of these items without prior written consent, unless the Registrar is notified in writing to the contrary by the second week after the start of a term.

## **Access to Education Records**

Under FERPA, Wheeling University must provide an eligible student with an opportunity to inspect and review his or her education records within 45 days following its receipt of a request. Wheeling University is required to provide an eligible student with copies of education records, or make other arrangements, if a failure to do so would effectively prevent the student from obtaining access to the records. A case in point would be a situation in which the student does not live within commuting distance of Wheeling University.

## **Amendment of Education Records**

Under FERPA, an eligible student has the right to request that inaccurate or misleading information in his or her education records be amended. While a school is not required to amend education records in accordance with an eligible student's request, the school is required to consider the request. If the school decides not to amend a record in accordance with an eligible student's request, the school must inform the student of his or her right to a hearing on the matter. If, as a result of the hearing, the school still decides not to amend the record, the eligible student has the right to insert a statement in the record setting forth his or her views. That statement must remain with the contested part of the eligible student's record for as long as the record is maintained.

However, while the FERPA amendment procedure may be used to challenge facts that are inaccurately recorded, it may not be used to challenge a grade, an opinion, or a substantive decision made by a school about an eligible student. FERPA was intended to require only that schools conform to fair recordkeeping practices and not to override the accepted standards and procedures for making academic assessments, disciplinary rulings, or placement determinations.

Thus, while FERPA affords eligible students the right to seek to amend education records that contain inaccurate information, this right cannot be used to challenge a grade or an individual's opinion, or a substantive decision made by a school about a student. Additionally, if FERPA's amendment procedures are not applicable to an eligible student's request for amendment of education records, the school is not required under FERPA to hold a hearing on the matter.

The Registrar will hear all student requests regarding a concern of a violation of FERPA. The Registrar will evaluate the record keeping of the item under concern and deliver a response to the student within two weeks of receipt of the concern. The response will either be a correction of the record keeping or a denial of the request. If the student is not satisfied with the decision of the Registrar he or she may submit a written appeal to the VP of Academic Affairs within two weeks of receiving the decision from the Registrar. The VP of Academic Affairs will hear the student concern, discuss the concern with the Registrar, and make a final determination within two weeks of receipt of the appeal. The decision of the VP of Academic Affairs is final.

## **Disclosure of Education Records**

Under FERPA, Wheeling University may not generally disclose personally identifiable information from an eligible student's education records to a third party unless the eligible student has provided written consent. However, there are a number of exceptions to FERPA's prohibition against non-consensual disclosure of personally identifiable information from education records. Under these exceptions, schools are permitted to disclose personally identifiable information from education records without consent, though they are not required to do so. The following is general information regarding some of these exceptions.

1. School officials within Wheeling University, provided the school has determined that they have "legitimate educational interest" in the information. Wheeling University considers the following as school officials: professors; instructors; administrators; health staff; counselors; attorneys; clerical staff; trustees; members of committees and disciplinary boards; and a contractor, volunteer, or other party to whom the school has outsourced institutional services or functions.
2. Other schools to which a student seeks or intends to enroll.
3. Financial aid officers in connection to financial aid for which the student has applied or which the student has received, if the information is necessary for such purposes as to: determine the eligibility for the aid; determine the amount of the aid; determine the conditions for the aid; and/or enforce the terms and conditions of the aid. With respect to this exception, the term "financial aid" means payment of funds provided to an individual (or payment in kind of tangible or intangible property to the individual) that is conditioned on the individual's attendance at a school.
4. Parents of a "dependent student" as that term is defined in Section 152 of the Internal Revenue Code.
5. Appropriate parties, including parents of an eligible student, in connection with a health or safety emergency.

## **Disclosure of Education Records (cont.)**

Additionally, parents of a student at a postsecondary institution may receive information as follows:

1. The student's violation of any Federal, State, or local law, or of any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance. The school may non-consensually disclose information under this exception if the school determines that the student has committed a disciplinary violation with respect to that use or possession and the student is under 21 years of age at the time of the disclosure to the parent.
2. Information that has been deemed "Directory information" that would not generally be considered harmful or an invasion of privacy if disclosed. "Directory information" at Wheeling University includes the following: student name, address, telephone number, email address, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, grade level, full or part-time status, most recent previous school attended and photograph.

Wheeling University may disclose directory information without consent if it has given public notice of the types of information it has designated as directory information, the eligible student's right to restrict the disclosure of such information, and the period of time within which an eligible student has to notify the school that he or she does not want any or all of those types of information designated as directory information. Also, FERPA does not require a school to notify eligible students individually of the types of information it has designated as directory information. Rather, the school may provide this notice by any means likely to inform eligible students of the types of information it has designated as directory information.

There are several other exceptions to FERPA's prohibition against non-consensual disclosure of personally identifiable information from education records, some of which are briefly mentioned below. Under certain conditions (specified in the FERPA regulations), a school may non-consensually disclose personally identifiable information from education records:

1. To authorized representatives of the Comptroller General of the United States, the Attorney General of the United States, the U.S. Secretary of Education, and State and local educational authorities for audit or evaluation of Federal or State supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs;
2. To organizations conducting studies for or on behalf of the school making the disclosure for the purposes of administering predictive tests, administering student aid programs, or improving instruction;
3. To comply with a judicial order or a lawfully issued subpoena;
4. To the victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense concerning the final results of a disciplinary hearing with respect to the alleged crime; and
5. To any third party the final results of a disciplinary proceeding related to a crime of violence or non-forcible sex offense if the student who is the alleged perpetrator is found to have violated the school's rule or policies. The disclosure of the final results only includes: the name of the alleged perpetrator, the violation committed, and any sanction imposed against the alleged perpetrator. The disclosure must not include the name of any other student, including a victim or witness, without the written consent of that other student.

As stated above, conditions specified in the FERPA regulations at 34 CFR § 99.31 have to be met before a school may non-consensually disclose personally identifiable information from education records in connection with any of the exceptions mentioned above.

## **Annual Notification of Rights**

Under FERPA, Wheeling University must annually notify eligible students in attendance of their rights under FERPA. The annual notification must include information regarding an eligible student's right to inspect and review his or her education records, the right to seek to amend the records, the right to consent to disclosure of personally identifiable information from the records (except in certain circumstances), and the right to file a complaint with the Office regarding an alleged failure by a school to comply with FERPA. It must also inform eligible students of the school's definitions of the terms "school official" and "legitimate educational interest."

FERPA does not require a school to notify eligible students individually of their rights under FERPA. Rather, the school may provide the notice by any means likely to inform eligible students of their rights. Thus, the annual notification may be published by various means, including any of the following: in a schedule of classes; in a student handbook; in a calendar of school events; on the school's website (though this should not be the exclusive means of notification); in the student newspaper; and/or posted in a central location at the school or various locations throughout the school.

Law Enforcement Units and Education Records a "law enforcement unit" means any individual, office, department, division or other component of a school, such as a unit of commissioned police officers or non-commissioned security guards, that is officially authorized or designated by the school to: enforce any local, State, or Federal law, or refer to appropriate authorities a matter for enforcement of any law against any individual or organization; or to maintain the physical security and safety of the school. The law enforcement unit does not lose its status as a law enforcement unit if it also performs other, non-law enforcement functions for the school, including investigation of incidents or conduct that constitutes or leads to a disciplinary proceeding against a student.

"Law enforcement unit records" (i.e., records created by the law enforcement unit, created for a law enforcement purpose, and maintained by the law enforcement unit) are not "education records" subject to the privacy protections of FERPA. As such, the law enforcement unit may refuse to provide an eligible student with an opportunity to inspect and review law enforcement unit records, and it may disclose law enforcement unit records to third parties without the eligible student's prior written consent. However, education records, or personally identifiable information from education records, which the school shares with the law enforcement unit do not lose their protected status as education records because they are shared with the law enforcement unit.

## **Complaints of Alleged Failures to Comply with FERPA**

FERPA vests the rights it affords in the eligible student. The statute does not provide for these rights to be vested in a third party who has not suffered an alleged violation of their rights under FERPA. Thus, we require that a student have "standing," i.e., have suffered an alleged violation of his or her rights under FERPA, in order to file a complaint.

The Family Policy Compliance Office (FPCO) may investigate those timely complaints that contain specific allegations of fact giving reasonable cause to believe that a school has violated FERPA. A timely complaint is defined as one that is submitted to the Office within 180 days of the date that the complainant knew or reasonably should have known of the alleged violation of FERPA. Complaints that do not meet FERPA's threshold requirement for timeliness are not investigated.

If FPCO receives a timely complaint that contains a specific allegation of fact giving reasonable cause to believe that a school has violated FERPA, FPCO may initiate an administrative investigation into the allegation in accordance with procedures outlined in the FERPA regulations. If a determination is made that a school violated FERPA, the school and the complainant are so advised, and the school is informed of the steps it must take to come into compliance with the law. The investigation is closed when voluntary compliance is achieved.

Please note that the eligible student should state his or her allegations as clearly and specifically as possible. To aid FPCO in efficiently processing allegations, FPCO asks that an eligible student only include supporting documentation that is relevant to the allegations provided. Otherwise, FPCO may return the documentation and request clarification. FPCO does not have the resources to review voluminous documents and materials to determine whether an allegation of a violation of FERPA is included. An eligible student may obtain a complaint form by calling (202) 260-3887. For administrative and privacy reasons, FPCO does not discuss individual allegations and cases via email. Please mail completed complaint forms to the Office (address below) for review and any appropriate action.

## **Complaint Regarding Access**

If an eligible student believes that Wheeling University has failed to comply with his or her request for access to education records, the student may complete a FERPA complaint form and should include the following specific information: the date of the request for access to the education records; the name of the school official to whom the request was made (a dated copy of any written request to the school should be provided, if possible); the response of the school official, if any; and the specific nature of the information requested.

## **Complaint Regarding Amendment**

If an eligible student believes that Wheeling University has failed to comply with his or her request for amendment of inaccurate information in education records or failed to offer the student an opportunity for a hearing on the matter, the student may complete a FERPA complaint form and should include the following specific information: the date of the request for amendment of the education records; the name of the school official to whom the request was made (a dated copy of any written request to the school should be provided, if possible); the response of the school official, if any; the specific nature of the inaccurate information for which amendment was requested; and evidence provided to the school to support the assertion that such information is inaccurate.

## **Complaint Regarding Disclosure**

If an eligible student believes that Wheeling University has improperly disclosed personally identifiable information from his or her education records to a third party, the student may complete a FERPA complaint form and should include the following specific information: the date or approximate date the alleged disclosure occurred or the date the student learned of the disclosure; the name of the school official who made the disclosure, if that is known; the third party to whom the disclosure was made; and the specific nature of the education records disclosed.

This guidance document is designed to provide eligible students with some general information regarding FERPA and their rights, and to address some of the basic questions most frequently asked by eligible students. You can review the FERPA regulations, frequently asked questions, significant opinions of the FPCO, and other information regarding FERPA at: [www.ed.gov/policy/gen/guid/fpc/index.html](http://www.ed.gov/policy/gen/guid/fpc/index.html)

If, after reading this guidance document, a student has questions regarding FERPA which are not addressed here, he or she may write to the Office at the following address:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW Washington, DC 20202-8520

## **Medical Leave of Absence Policy**

Undergraduate students may request a Medical Leave of Absence (MLOA) in cases where the student's health hinders successful academic progress. The approval of MLOA for undergraduate students will come from the Director of Undergraduate Student Success (DUSS) and the Vice President for Academic Affairs (VPAA). The policy and subsequent procedure for requesting MLOA is as follows:

1. Student must submit a written letter requesting leave of absence for medical reasons. This letter must be addressed to the WU Director of Undergraduate Student Success. This letter must outline the need for the leave, the anticipated length of time for the leave and the anticipated time of return to academic studies, if known.
2. The physician or health care practitioner treating the student for said medical issue must submit written documentation to the WU Director of Undergraduate Student Success outlining the medical necessity for the requested medical leave and its anticipated duration.



## **Medical Leave of Absence Policy (cont.)**

3. Considering all information provided and any additional consultation needed, the WU Director of Undergraduate Student Success will rule on the requested medical leave. The decision will be communicated to the student in writing within and no longer than 10 working days of the completed request, which will not be considered as complete until all materials are submitted. This correspondence will also include the steps that the student must take to request re-enrollment after being released by the treating physician to return to academic studies.
4. The WU Director of Undergraduate Student Success will notify the Registrar of any student withdrawal due to medical leave of absence. The Director will also notify all necessary University departments (e.g., Registrar, Financial Aid, Student Accounts, IT, Student Housing, instructors, and academic advisors) of the student's leave so that appropriate actions can be taken within their domain.
5. Should the request be denied, the student can appeal the decision to the VPAA within 10 working days of notification of the initial decision. The VPAA will compile all information necessary and make a ruling within 10 working days of receiving the appeal. Written documentation of the decision will be provided to the student by the VPAA's office. The decision of the VPAA is final.
6. All correspondence regarding the request for MLOA will be maintained in the student's official academic record housed in the Registrar's Office.

Note: Medical leave may result in the grade of "W" for courses in progress.

## **Re-enrollment after MLOA**

After being released by the treating physician or health care practitioner to return to academic studies, the following steps must be followed:

1. The student must apply for re-admission to the University.
2. The student must submit a written letter to the WU Director of Undergraduate Student Success requesting to return to academic studies at least 1 week before the requested return date.
3. The treating physician or health care practitioner must submit a letter to the WU Director of Undergraduate Student Success releasing the student to return to academic pursuits. Should any stipulations, on-going treatment or accommodations be applied to this return, they must be outlined in this letter or be provided by the practitioner in another written form to the Director stated above. Should conditions be placed on the student's return that fall under the Americans with Disabilities Act, all policies regarding requesting reasonable accommodations must also be followed as outlined in the Wheeling University Student Handbook. It is the student's responsibility to seek out the reasonable accommodations and provide all necessary documentation to receive the reasonable accommodation.
4. All above documentation regarding the student's eligibility for re-enrollment will be reviewed by the WU Director of Undergraduate Student Success. The Director will consult with other administrators on campus as necessary and will make the decision regarding re-enrollment and communicate this decision to the student within 10 working days of receiving the completed documentation. This response will include the allowable, reasonable accommodations.
5. Granting of the re-enrollment request will be communicated by the WU Director of Undergraduate Student Success to the Registrar's Office and all necessary University departments.
6. The actual point of re-enrollment with respect to course work will be decided upon by the Director of Undergraduate Student Success in consultation with the director of the student's program of study. In cohort programs, this may require that a student sit out until the next cohort of students comes through the program to the appropriate point of re-entry.

### **Re-enrollment after MLOA (cont.)**

7. If the request for re-enrollment is denied, the student may appeal this decision to the VPAA in writing within 10 days of receiving the denial. The VPAA will review all documentation provided and render a decision that will be communicated to the student in writing within 10 days of receiving the appeal. The decision of the VPAA is final.
8. All correspondence regarding a request for re-enrollment will be maintained in the student's official academic record housed in the Registrar's Office.

\*\*Note that if the student has been away for more than one calendar year, the student enters under the Catalog currently in effect at readmission.

## **Academic Information**

### **The University Catalog**

Upon entering the University, a student is tied to the associated catalog year, which specifies the curriculum that is required for the student to follow and determines the necessary degree requirements to fulfill for graduation. Therefore, any changes to a student's catalog year may result in additional, reduced or updated requirements. Each catalog year is active for seven years. After seven years the catalog is retired and any student using that catalog year must select a more recent catalog year.

### **Academic Honesty and Integrity Policy**

The academic community at Wheeling University prides itself not only on encouraging intellectual growth but also on fostering moral development by maintaining an environment of honesty, trust, and respect. The responsibility to maintain this environment rests with students as well as faculty members, staff and administration.

Graduates of Wheeling University place a high value on the education and degree they have received, which can be attributed to high standards of excellence and the aforementioned environment of honesty, trust, and respect. Students involved in academic dishonesty are contributing to the breakdown of this system. Failure to fulfill this responsibility can result in:

- Lack of trust in the student body;
- Loss of individual integrity;
- Loss of individual self-esteem;
- Loss of University integrity;
- Loss of value of a degree.

Wheeling University recognizes that academic honesty and integrity are fundamental values of the University community. Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. The Student Honor Code (adapted by Student Government in spring 2002) states: "We, as unique members of the Wheeling University community, strive for constant improvement of ourselves through discipline, honesty, and responsibility. While embodying the values of integrity, accountability, and respect for others, we wish to be instruments of hope, justice, and righteous action." Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action. The quality of a Wheeling University education is dependent upon the community acceptance and enforcement of the Honor Code. For more information about academic honesty, a student may contact Academic Affairs, Student Development, or his or her department chair.

# Academic Honesty and Integrity Guidelines

## What is academic honesty and integrity?

Academic integrity means giving credit where credit is due in an academic setting. It is an ethical obligation of all people who perform intellectual work, including students, faculty members, and administrators, to preserve the importance of academic integrity. If the source of intellectual work is not cited correctly, then the person who uses that source has engaged in theft of intellectual property.

## Why is academic integrity important?

1. Lack of academic integrity is unfair to you. When you come to the University, you are committing yourself to engagement in learning and growth. If you commit an academic integrity violation, then you have cheated yourself out of important experiences that could change your life.
2. Lack of academic integrity is unfair to others. Other students will be disadvantaged if you have access to illicit information because it will diminish the meaning of grades. Grade inflation is detrimental to all students' grades. In addition, it is unfair to future employers and clients: if someone hires you as his/her accountant or nurse, he/she expects you to have the expertise in all areas of that field. You are cheating your employer or client by lacking the skills or knowledge that you claim to possess.
3. Lack of academic integrity lowers the reputation of the school. A poor reputation will make Wheeling University's degree less valuable. If grades are inflated because of cheating, then the grades earned will have little meaning to those organizations for which student grades are important. As a result, graduate programs, future employers, and University accreditation boards will question the viability of the school as a place of learning.

## What constitutes a violation of academic integrity?

1. It is unethical to present the ideas, representations, or work of another as your own work.
2. In addition, if you permit someone else to present your ideas, representations, or work as his/her own intellectual property, then a violation of academic integrity has occurred.

## What does “intellectual property” mean?

Intellectual property refers to “property (as an idea, invention, or process) that derives from the work of the mind or intellect” (<http://www.merriam-webster.com>). In other words, intellectual property refers both to one’s original ideas and to the manner in which one represents those ideas. Some concrete examples of intellectual property are: ideas, words, phrases from a document; an individual’s interpretation of—or argument about—a particular topic, work, etc.; a student’s original contribution to a classroom discussion; a published piece of work; a computer program; images on a web page; an oral presentation; a math problem; a lab report; a clinical assessment; and/or an answer on a test. If you are unsure of the originality of your idea or concept, consult your instructor for clarification and/or proper citation.

## To what do the phrases “academic assignments” and “evaluation” refer?

“Academic assignments” and “evaluation” refer to the tools that your instructor may use to measure your intellectual growth and understanding. Examples include—but are not limited to—papers, exams, quizzes, and presentations.

## What actions constitute a violation of academic integrity under the first definition above?

An academic integrity violation under Definition #1 involves the practice of any form of deceit in the proceeding of an academic evaluation. More specifically, if a student depends on the aid of others in a manner either expressly prohibited or not authorized by the instructor in the research, preparation, creation, writing, or publication of work submitted for academic credit or evaluation, the student has committed a violation of academic integrity.

### **Some examples of this type of academic dishonesty include**

- Using unauthorized “study guides,” websites, or databases in the preparation of a paper;
- Looking over others’ exams to see if they have transcribed similar answers;
- Using devices or referring to materials or sources not authorized by the instructor, including all types of technology (e.g., e-mail, websites, camera phones, or stored information on a calculator);
- Referring to literal or electronic “cheat sheets” during an exam;
- Possessing, buying, obtaining, or using a copy of any material intended to be used as an instrument of academic evaluation prior to its administration;
- Buying papers off the Internet;
- Asking a student in an earlier class for information on a quiz or assignment that you will take in the same class later that day/week;
- Submitting the work of another person in a manner that represents the work to be one’s own;
- Allowing one or two people in a group project do all of the work;
- Presenting as one’s own, for academic evaluation, the ideas, representations, or words of another person or persons without customary and proper acknowledgment of sources;
- Fabricating data from empirical research;
- Changing data on a lab report in order to demonstrate desired (but not actual) results;
- Fabricating sources and experts for a paper;
- Attempting to influence or change one’s official academic record (e.g., paying an employee of the Registrar’s office to change final grades).

### **What actions constitute a violation of academic integrity under the second definition above?**

An academic integrity violation under Definition #2 involves active violations of academic integrity on another’s behalf. If a student knowingly allows another student to cheat and/or assists another student in the practice of academic dishonesty, both students have violated academic integrity. More specifically, if a student provides aid to others in a manner either expressly prohibited or not authorized by the instructor in the research, preparation, creation, writing, or publication of work submitted for academic credit or evaluation the student has committed a violation of academic integrity.

### **Some examples of this type of academic dishonesty include**

- Letting someone look over your old paper for a class as he/she prepares a similar paper for his/her class;
- Allowing someone else to look at your exam to see if he/she has transcribed similar answers;
- Providing another student with a literal or electronic “cheat sheet” for an exam;
- Sending unauthorized content to a student during an exam or in-class assignment via cellular phone, email, etc.;
- Possessing, selling, obtaining, or giving a copy of any material intended to be used as an instrument of academic evaluation prior to its administration;
- Selling previously written papers;
- Sharing information with a student about a quiz or assignment in a class that you attended earlier that day/week;
- Knowingly permitting your ideas, representations, words, and/or written work to be submitted by another person in a manner that represents that work to be his/her own.

### **What if I reuse part—or all—of my own work from a previous class in order to complete a current assignment?**

Unless your instructor sanctions this course of action, the act of resubmitting ideas, representations, or written work that has been submitted at any time in any form for credit in another course constitutes a violation of academic integrity. When an instructor expects each student to submit original work for a given academic assignment, it is academically dishonest to present as original content any ideas, representations, and/or written work that have been previously prepared and/or evaluated.

## **What are the consequences for violating academic integrity?**

The sanctions that may be imposed upon finding that an offense related to academic integrity has been committed include, but are not limited to:

- A. Reduction in grade or a failing grade upon the assignment or examination where the offense occurred.
- B. Reduction in grade or a failing grade for the course where the offense took place.
- C. Suspension from the University for a specific period of time.
- D. Dismissal from the University without the expectation of re-admission.

These sanctions may be imposed individually, in whole, or in part, or in any combination.

Sanctions A and B are within the authority of the individual faculty member to impose, subject to appropriate discussion with the student or students. Should the student not agree with the faculty member's decision, the student can appeal the decision following the Academic Appeal Process.

If the student does not begin the Academic Appeal Process within 5 calendar days from the date of the receipt of the faculty member's final decision, the decision and sanction will stand and the matter concluded.

The Office of Academic Affairs will monitor the violations of academic integrity. If a student is found guilty of committing a third violation, the Vice President for Academic Affairs may impose an additional sanction including suspension or dismissal from the University. The student will be notified of the Vice President of Academic Affairs review of the violations. The final decision of the Vice President of Academic Affairs will be made and communicated to the student within 5 working days from the date of the notification. The Vice President of Academic Affairs decision is final, and the matter concluded.

## **Academic Appeal Process**

Students who believe they deserve an adjustment in a grade or academic status may appeal their situations, provided they follow proper procedure. In addition, students who wish to dispute that they committed a violation of academic integrity may appeal.

All appeals of an academic nature such as a grade or academic integrity violation must first be discussed with the faculty member prior to initiating the appeal. The outcome of those discussions will result in the final decision of the faculty member. The Academic Appeal Process is followed when a student wishes to appeal the final decision of a faculty member.

1. This process must be initiated within five (5) calendar days from the date of receipt of the involved faculty member's final decision. The student must inform the relevant department chair, or designee, in writing, of the intent to appeal. If the student does not initiate the Academic Appeal Process within five (5) calendar days from the date of the receipt of the faculty member's final decision, the decision and sanction will stand and the matter will be concluded.
2. The student must submit a written appeal to the faculty member's department chair, or designee, within 10 calendar days from the date of receipt of the faculty member's final decision. This appeal must include the following items: student's name; student's email address; relevant faculty member and class; date of occurrence of alleged violation; student's response. A lack of understanding of the University's Honor Code policies or the Student Handbook <https://wheeling.edu/wp-content/uploads/2022/08/2022-Student-Handbook.pdf> not an acceptable excuse for inappropriate behavior.
3. The Department Chair or designee, will provide the student and the faculty member with a written decision within 5 working days after the discussion with the student. The Department Chair's or designee's decision is final but can be appealed further to the Vice President for Academic Affairs and Chief Academic Officer. The decision of the Academic Vice President will be final and the matter concluded.

## Grades

The number of grade points received in any one course is obtained by multiplying the course grade (in quality points) by the number of credits in the course; e.g., a grade “A-” in a three-credit course equals 11.1 quality points (3 x 3.7). The cumulative GPA (Grade Point Average) is computed by dividing the total of the quality points received in a specified number of courses by the total number of credits in those courses. Official grades used by Wheeling University and their grade point equivalents are as follows:

A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfactory
C-	1.7	
D+	1.3	
D	1.0	Poor
F	0.0	Failure
I	Not computed	Incomplete (see Incomplete Grade Policy)
W	Not computed	Approved withdrawal
CR	Not computed	Credit for course
P	Not computed	Passing for Pass/Fail use only
NCR	Not computed	No credit for course
AU	Not computed	Audit
FA		Failure due to excessive absences

**NOTE:** While C-, D+, and D- may be passing for an individual performance, an AVERAGE of C (2.0) is required for graduation. Some majors have a GPA requirement higher than 2.0. Please check the program listing under the Academic Program section of this catalog.

## Credit Hour Policy

Wheeling University follows federal compliance regulations that require all accredited institutions to comply with the federal definition of the credit hour.

Federal Law: A credit hour is assumed to be a 50-minute (not 60-minute) period.

WU’s credit hour policy conforms with the federal law in that in class sessions of 50 minutes occur on Monday, Wednesday, and Friday class sessions and the equivalent for Tuesday and Thursday classes at 75-minute sessions. In courses, such as those offered online, in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

Credit hour calculations (below) use the grand total of WU credit hour (50 minute) periods, add the accompanying out-of-class work, and then express total student work in normal “hours” (60 minutes). Adherence to WU’s credit hour policy will be reviewed and audited periodically by WU’s VPAA, Registrar, and faculty to ensure that credit hour assignments are accurate and reliable.

## **Definition of a Credit Hour**

For all WU degree programs and courses bearing academic credit, the "credit hour" is defined as "the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1) one (1) hour of classroom or direct faculty instruction and a minimum of two (2) hours of out-of-class student work each week for approximately fifteen weeks for one semester hour of credit, or the equivalent amount of work over a different amount of time;

OR

2) at least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practicums, service learning, and other academic work leading to the award of credit hours.

## **Application of Credit Hour Policy**

This credit hour policy applies to all courses at all levels (graduate, professional, and undergraduate) that award academic credit (i.e. any course that appears on an official transcript issued by the University) regardless of the mode of delivery including, but not limited to, self-paced, online, hybrid, lecture, seminar, laboratory, and credit by portfolio.

## **Credit Hour Calculations (per semester)**

Example: a 1-unit course equates to 50 in-class minutes X (times) 15 semester weeks = (equals) 750 in-class minutes.

## **Transcripts**

Request for a transcript may be made in the Office of the Registrar or via Parchment and the National Student Clearinghouse portal found on the school's website <https://wheeling.edu/academics/registrar-office/student-records/>. A processing fee is charged for each official transcript requested to be sent in any format. Students with an outstanding financial obligation to the University will have all transcripts held until that obligation has been met. Current students may obtain their unofficial transcripts through their student portal on Self Service, which is also where they can obtain semester grade reports. The transcript is a student's official academic record of courses taken with final assigned grades, semester and cumulative GPAs, and any conferred degrees earned while attending the institution.

## **Transfer of Credit – while a current student**

Wheeling University students who wish to take courses at another accredited institution need to consult the Registrar's office for necessary forms and procedures and for all necessary approvals regarding the transfer of credit. Transient forms must be completed and approved prior to taking the transfer course. The forms are available on the Registrar's website at <https://wheeling.edu/academics/registrar-office/>.

## **Repetition of Courses**

Students may repeat a course if they receive a grade of D+ or lower, or if they need a higher grade to meet the specifically-stated requirements to enter or continue in a major or a program. Students who choose this option must complete the identical course offered at WU. If a student repeats a course, all grades will appear on the transcript but only the most recent grade will be factored into the student's cumulative GPA. A grade earned at WU may not be replaced by a grade earned at another institution. Students may only repeat a course once.

## **Double-Counting Course Requirements**

Several courses offered at Wheeling University fit more than one requirement. In some situations, a student taking such a course can count it toward multiple requirements. In other situations, such "double-counting," is not allowed. If you are confused about this policy or uncertain as to how it applies to your own situation, contact your advisor. A maximum of 2 courses (no more than 6-8 credit hours combined) are permitted to be double counted only between the core and a major or one course (3-4 credit hours) for a minor.

## Prerequisites.

A prerequisite is a course or its equivalent that normally must be taken and passed before admission to a given course can be approved. Prerequisites are listed at the end of a course description where needed.

## Course Numbering

Courses are numbered in this way:

090-099	Strengthening courses
100-199	Lower-division or introductory courses (In some cases, these may be taken by upper- class students.)
200 and above	Upper-division courses
300-489	Upper-division courses; usually taken by majors
500-699	Graduate-level courses

Each discipline's curriculum may include unlisted courses, offered should the need arise. They are commonly numbered in this way:

161, 261, 361,461 Experimental course offering (may be offered two times only)

## Subject Abbreviations

The following abbreviations are used throughout the Catalog:

ACCT	Accounting
ATHL	Athletic Training
BIOL	Biology
BUSN	Business
CHEM	Chemistry
CMGT	Construction Management
COMM	Communication
CRJU	Criminal Justice
ECON	Economics
EDUC	Education
ENGL	English
ENGR	Engineering
ENVS	Environment and Sustainability
ESLL	English as a Second Language
EXSC	Exercise Science
GEOG	Geography
GIST	Geographic Information Systems Technology
GSCI	General Science
HCMT	Healthcare Management
HIST	History
INFO	Information Sciences
MATH	Mathematics
NURS	Nursing
PHIL	Philosophy
PHYS	Physics
POSC	Political Science
PSYC	Psychology
SOCI	Sociology
SPAN	Spanish
THEO	Theology
THMT	Tourism and Hospitality Management
WJUS	First Year Experience



# Academic Procedures & Regulations

## Registration

### Add/Drop Policy

Students may add courses prior to the end of the add/drop period as published in the University's current Academic Calendar.

Students may drop classes without academic or financial penalty prior to the end of the add/drop period as published in the University's current Academic Calendar. A course DROP is defined as occurring prior to the end of the add/drop period.

### Course Withdrawal Policy (prior to the Withdrawal Date)

Students may officially withdraw from a course, without academic penalty, any time prior to the Withdraw Date as published in the University's current Academic Calendar. The course remains on the student transcript with a grade of "W" assigned. A course with a grade of "W" is not factored into the cumulative GPA. An official course withdrawal may be completed in the Registrar's Office.

Students are advised that never attending class or discontinued attendance does not constitute an official withdraw from a class. Failure to officially withdraw from a class will result in the grade of "F".

Students should refer to the Financial Information section of this catalog to determine the billing and financial impact, if any, of withdrawing from a course.

Students utilizing Financial Aid are urged, prior to initiating an official course withdrawal, to contact the Financial Aid Office to determine the effects, if any, of withdrawing from a course.

### Course Withdrawal (after Withdrawal date) with Mitigating Circumstances

A student may petition to officially withdraw from a course after the withdrawal date and prior to taking the final exam and prior to the last day of the course only in mitigating circumstances. The student must have a verifiable mitigating circumstance that prevents him/her from utilizing the course Incomplete Grade Policy. All petitions to officially withdraw from a course must include documentation supporting the mitigating circumstance and be approved by the faculty member and the Vice President for Academic Affairs.

### Incomplete Grade Policy

The incomplete ("I") grade is to be used only for verifiable mitigating circumstances where a student is unable to complete a course within the normal course time. To be eligible to receive an "I" grade, the student must have satisfactorily completed more than 75 percent of the course requirements and attendance and provide the faculty member with documentation supporting the request. The faculty member has the discretion to determine whether the "I" grade will be awarded. The maximum time extension permitted for an incomplete is eight weeks after the course end date. At the end of the eight-week time period a grade of "I" will automatically be converted to the grade of "F".

## University Withdrawal Refund Policy

The University Withdrawal Refund Policy applies to withdrawals from the University, not withdrawals from individual courses. Request for withdrawal from the University must be obtained from the Registrar’s Office. Neither verbal communication nor failure to appear in class will be considered official notification of withdrawal. Refunds will be granted only to those students who have followed the procedural policy of completing the proper forms. A student who withdraws from the University will have the tuition and mandatory fees refunded based the table below. No refund of tuition is made after the third week of a semester.

Fall/Spring Semesters	Refund
Days 1-7	100%
Days 8-14	75%
Days 15-21	50%
After Day 22	0%
<b>Summer Semester</b> Add-Drop Period	100%
After Add-Drop	0%

The above refund applies to withdrawals from the University, not withdrawals from individual courses. Request for withdrawal from the University must be obtained from the Registrar’s Office. Neither verbal communication nor failure to appear in class will be considered official notification of withdrawal. Refunds will be granted only to those students who have followed the procedural policy of completing the proper forms.

## Graduation Requirements

To be eligible for graduation, a student must:

1. Complete the required core curriculum courses;
2. Complete the requirements in at least one major;
3. Complete a minimum of 120 credit hours with a cumulative grade point average (GPA) of 2.00 or above;
4. Complete at the University not less than 18 credit hours required for the major;
5. Complete a minimum of 90 total credit hours in residence or if transferring in with more than 90 credits then students must the residency requirement of at least 30 hours of the last 36 hours, required for a degree, at Wheeling University;
6. Satisfy all financial obligations to the University;
7. Complete assessment tests and interviews which may be required; and
8. Submit an application for graduation within the prescribed time frame as published by the Registrar’s Office.

Students who plan to graduate by the last day of a Spring term and are no more than 6-8 hours short of meeting their degree requirements after the completion of the spring semester may petition the Registrar for permission to participate in the spring commencement ceremony. Please note, each student is responsible for ensuring he/she is meeting all requirements for graduation at WU. The graduation fee is required if approved to participate in Commencement.

### Financial Requirements for Graduation

All balances are to be paid in full prior to graduation activities. If the student’s account has an outstanding balance, he/she may not be permitted to participate in any or all graduation functions, including actual graduation ceremonies. Also, any student having a balance due on his/her account will be unable to receive his/her diploma or transcripts.

## Academic Standing

### Student Status

Students are classified as follows:

First-year students	less than 27 earned semester hrs.	Sophomores	between 27 and 59 earned semester hrs.
Juniors	between 60 and 89 earned semester hrs.	Seniors	90 or more earned semester hrs.

## Satisfactory Academic Progress

Every student in the University must maintain a cumulative grade point average (GPA) as follows and in the major in order to be considered in good academic standing.

Hours Attempted (to include transfer credit)	Required Minimum Cumulative GPA
0-29	1.6
30-59	1.8
60+	2.0

A student who holds a grant-in-aid must remain in good academic standing. A student who holds a scholarship must maintain at least the GPA specified by the conditions governing the scholarship in order for it to be renewed for subsequent years. The cumulative GPA is used for the purposes of academic warning, academic probation, academic suspension, and academic dismissal.

Additionally, certain majors/minors may have additional standards for admission to and/or advancement within their discipline. Students are responsible for knowing the specific requirements of their programs and are encouraged to seek clarification from their advisor when necessary.

## Academic Warning

First time Freshmen students who fail to achieve the minimum cumulative GPA required for satisfactory academic progress at the end of their first semester, may be placed first on academic warning before being placed on academic probation. Academic warning gives the student one semester to meet the required GPA. If this is not achieved after one semester, the student will be placed on academic probation or academic suspension.

## Academic Probation

Academic probation carries a serious warning to the student because unless improvement is noted during the probationary period academic suspension or dismissal may follow. Academic probation is assigned at the close of any semester (fall, spring or summer) in which the student fails to meet the minimum cumulative GPA requirement outlined above.

While on academic probation a student must meet with the Director of Student Success Center and major advisor at the start of the next semester to develop a binding academic improvement plan. It is advisable that the student only take 12-14 credit hours of course work while on probation.

A student on probation for longer than one semester may not:

1. Hold office in student government and may be prevented from participating in University activities, departmental clubs, or class boards;
2. Serve as an editor of any student publication; and
3. Practice or participate in intercollegiate athletics or major theatrical productions (unless required by the student's major program of study). Participation in intercollegiate athletics is also subject to the regulations of the National Collegiate Athletic Association (NCAA) and other athletic associations in which the University holds membership.

Students placed on probation are expected to attend all classes and must achieve the specified minimum cumulative GPA requirement after completing 12 credit hours. It is the student's responsibility to adhere to probationary restrictions. A student who fails to meet the probationary restrictions placed upon him or her is eligible for probation continuation with advisor permission for one additional semester, immediate suspension or dismissal. Students should be aware that academic probation and loss of financial aid eligibility are separate and distinct issues.

## **Academic Suspension**

A student on academic probation who fails to meet the conditions of Academic Probation (see above) may be academically suspended from the University. A student placed on Academic Suspension may not continue enrollment at WU for at least one fall or spring semester. A suspended student may apply for readmission after a fall or spring semester has passed. The application must include written evidence that demonstrates the potential for future academic success. The application must be submitted to the Admissions Office and the Vice President for Academic Affairs at least four weeks prior to the start date of the semester for which the student wishes to return to WU. The application will be reviewed to determine if there is reason to expect academic success upon reinstatement.

Academic probation is not necessarily a prior condition for academic suspension. A student may be suspended for lack of progress if evidence of eventual academic success is lacking or if University personnel believe the student forfeited responsible academic citizenship, such as:

- ongoing failure to complete classroom assignments;
- excessive class absences;
- disruption and disturbance of fellow students;
- a violation of the Academic Integrity Policy.

Please note that students may also lose University housing during a semester if there is lack of academic progress.

If a student is suspended for judicial reasons during a semester, the student will be administratively withdrawn from all enrolled courses and the grade of "F" assigned.

## **Appeal Process for Academic Suspension**

When notified, an academically-suspended student may appeal to the Vice President for Academic Affairs in writing. The written appeal should include any extenuating circumstances or other information to be considered. The appeal must be submitted within 10 days of the receipt of the notification of suspension. The decision of the Vice President for Academic Affairs will be final.

## **Academic Dismissal**

If a student is suspended twice, the student will be dismissed and ineligible to return.

## **Evaluation of Part-time Students**

If a student is enrolled at least half time, academic progress is evaluated. However, academic action is taken only when a part-time student has attempted a total of 12 semester hours of credit at WU. Academic status will be reviewed at the end of a term for which a student has accumulated at least 12 cumulative hours of attempted coursework.

## **Clinical Progression Policy: Nursing and Health Science Majors**

Wheeling University students entering clinical sequences at area hospital and health agency affiliates are in a special situation: they are preparing themselves for certification/licensing examinations; they are given significant responsibility for the well-being of patients under their care; and they represent to their professional community the quality and ethical dimension of their education at WU.

Consequently, the University sets academic standards for progression in clinical work for each health-related major, as described under these headings later in the Catalog or in a handbook specifically prepared for each major. The University also reserves the right to exclude any student from clinical work who in the opinion of his/her instructors has demonstrated behavior or attitudes incompatible with safe, ethical and professional development or who does not successfully complete a criminal background check, which could seriously jeopardize the welfare of patients.

## Additional Academic Regulations

### Class Attendance

Prompt and regular attendance, whether in face to face, hybrid and online classes, laboratories and other activities that are part of a course is expected of every student. Failure to attend a class or a laboratory for any reason is counted as an absence; University policy does not differentiate 'excused' from 'unexcused' absences. In face to face classes, first- year and all students on academic probation are permitted no more than six absences in 3-credit courses that meet three times a week. For courses that meet fewer than three times weekly, or are taught for fewer credits, the number of allowed absences is proportionately reduced. In 4-credit courses or higher, the number of allowed absences is also determined proportionately. Late entry into a class either by adding the course or late enrollment constitutes absence from that class. Attendance policy for upper-class students is set in each course by the instructor, who will announce the policy at the first meeting of the course. Students in online courses at all levels must participate as frequently as required by the instructor to successfully complete all class performance expectations. The credit and grade which a student receives for a course should reflect the student's active participation, as well as the ability to complete assignments and pass tests. Exceeding the maximum number of absences could result in a grade of "FA" (failure due to excessive absences).

### Non-Degree Status

Persons who wish to take classes at WU but who do not want to seek a degree or who are unsure of their interest in earning a degree may do so by contacting the Admissions Office. Non-degree students are not required to submit high school or college transcripts; however, they must file an application and the \$25 application fee. Non-degree students must, after earning 12 semester hours at Wheeling University, either apply for admission to a degree program or declare themselves permanently as non-degree students. Students from other institutions must provide a transient form from their institution stating that they are in good academic standing and have permission to enroll in the course(s). Students pursuing non-credit continuing education credits, certificates or other programs over 12 credits are not required to apply for Admissions unless seeking conversion of non-credit courses into a degree program under a special University outside organizational articulation agreement or WU's Prior Learning Assessment program.

### Limitations on Courses: Regular, Summer and Winter Sessions

The normal course load for a **regular session** semester is 15-18 semester hours. Twelve (12) credits and above is considered full-time at the undergraduate level. Students with a cumulative GPA of 3.0 or better may be allowed to register for more than 18 credits. Students who want to take more than 18 hours must obtain the approval of their academic advisor as well as the Vice President for Academic Affairs. There is an additional fee applied to each credit hour over 18. Students should submit a Course Petition form to take more than 18 hours. This form is available on the Registrar's webpage [www.wju.edu/Registrar](http://www.wju.edu/Registrar).

A Wheeling University student enrolled in **the summer session** may take no more than four courses (12 credit hours) per summer semester. No more than two courses may be taken in a single part of term. Students are limited to taking no more than two courses (6 credit hours) in the **winter session**.

A Wheeling University student who takes summer or winter session courses at another institution for transfer to the University may take no more than three courses (9 credit hours) and only at the 100-200 level. Students must complete all 300-400 level major and free electives courses at Wheeling University unless otherwise specified under an authorized special outside arrangement. Before registering elsewhere, students must complete a transient form with advisor, department chair, and Registrar approval. The form can be found on the Registrar's website at: <https://wheeling.edu/academics/registrars-office/student-records/>

### Disciplinary Suspension

Disciplinary suspension is imposed by the Vice President for Student Services or his/her designee and is not in itself an academic sanction. However, any student placed on disciplinary suspension with the provision that he or she may reapply

for admission to the University must secure the approval of the Vice President for Academic Affairs and Department Chair of the student's major before taking courses at another institution during the period of suspension. The Transient form for taking such courses is obtained on the Registrar's webpage, <https://wheeling.edu/academics/registrars-office> . (See the Student Handbook for more information about non-academic disciplinary proceedings.)

## Readmitted Students

Students who have withdrawn from the University or take a Medical Leave of Absence must apply for readmission through the procedure outlined in the section titled, “Re-enrollment after MLOA.” Readmitted students who have been away from the University for one calendar year or more will follow the catalog requirements in effect during their first semester of course work after readmission to the University.

## Student Achievement

### Graduation Honors

Students who have completed at least 60 graded semester hours at Wheeling University, and have obtained the qualifying cumulative GPA are awarded the following graduation honors:

<i>Summa cum laude</i>	3.900
<i>Magna cum laude</i>	3.700
<i>Cum laude</i>	3.500

For students with at least 30 but less than 60 graded semester hours, the honors average is:

**With distinction** 3.500

Computation of the average is based solely on courses completed at Wheeling University. Graduation honors are bestowed at the same time the student’s degree is conferred. All graduation honors are initially awarded based on student’s academic information from their last completed semester and awarded accordingly.

### Awards for Student Achievement

Each year at commencement or the graduation banquet, awards are given to seniors who have distinguished themselves. Additionally, students may be elected to an honor society. Here is a listing of awards and honor societies.

The **Valedictorian** is selected on academic merits as that student who has earned the highest average GPA among the graduates. (At least 90 of the hours must be completed at Wheeling University.)

The **Katherine Fouts Award** is given for exceptional service to Wheeling University and significant contribution to the quality of campus life, without reference to academic performance.

Through a bequest of Emelda Elfrida Paul, **Henry F. Paul Silver Medals** are awarded to the two undergraduate students who earn the highest average in the Bachelor of Arts degree program and Bachelor of Science degree program from a minimum of 60 graded credit hours at Wheeling University. Medals are also awarded to the two undergraduate students who earn the second highest average from a minimum of 60 graded credit hours in the Bachelor of Arts degree program and the Bachelor of Science degree program at Wheeling University.

The **Archbishop John J. Swint and Mary Woome Medals**, reflecting both academic distinction and service to the University, represent the crowning achievement for a student at Wheeling University. A minimum “B” average (3.0) is required for eligibility, and selection is by full-time faculty and administrators of the University voting through confidential ballot.

The **University Activities Award** is given to the student whose participation in a variety of student activities has enriched the University community.

**Edward J. Gannon, S.J., Collegian of the Year Award** is given to one member of each class, voted upon by classmates. The

**Frank R. Haig, S.J., Award** of \$2,500 is given at commencement each year to the graduating senior in a science field (Biology, Chemistry, Mathematics, Physics, Psychology, Clinical Sciences or Computer Science) who most embodies the concept of “individual excellence for public usefulness.” Endowed by Mr. and Mrs. W. W. Holloway, Jr., the award honors the third president of WU, a distinguished nuclear physicist and civic leader.

## **Awards for Student Achievement (cont.)**

The **Forrest Kirkpatrick Award** is given for high achievement in Economics.

The **Charles Currie Scholar Athlete Award** is given to the senior who has participated in intercollegiate athletics and has the highest GPA upon graduation.

The **Intercollegiate Athlete of the Year Award** is given to the outstanding intercollegiate athlete.

There are multiple **Departmental Awards** given by academic departments to the outstanding student from each discipline.

**Laut Honors:** Each student who completes the Stephen J. Laut, S.J., Honors Program will be recognized at Commencement as Laut Honors students and receive a diploma attesting to the distinction of the degree. For more information, please see the Laut Honors Program section of this catalog.

**Gloriam Award for Leadership and Excellence** is an honor awarded annually to a limited number of students in each class in recognition of outstanding leadership and service within the University community and attainment of academic excellence.

At the end of each semester, the Registrar's Office and the Office of Academic Affairs compile the names of students who have earned placement on the **Dean's List**. To be eligible for this distinction, a student must have completed and have been graded for at least 12 credit hours during the given semester and have earned a grade point average (GPA) of at least 3.5 for all courses taken that semester. Courses taken as pass/fail, audited courses, and grades of "I" or "X" do not count toward the minimum of 12 hours needed.

**Alpha Epsilon Delta** is national honorary society for Pre-Health Professions.

**Alpha Mu Gamma** is national honorary society open to students who have distinguished themselves in modern languages.

**Alpha Phi Sigma** is national honorary society for students in Criminal Justice.

**Alpha Sigma Nu** recognizes men and women who distinguish themselves in scholarly pursuits, loyalty and service to the University and community through membership in the National Honor Society.

**Beta Beta Beta Biological Honor Society** is a national honor society that recognizes students who have distinguished themselves in Biology.

**Delta Mu Delta** is an international honor society that recognizes Business majors who have distinguished themselves in academics and leadership.

**Kappa Delta Pi** is an international honor society in education.

**Kappa Mu Epsilon** is a national honor society open to students who have attained academic distinction in Mathematics.

**Lambda Beta** The national honor society that recognizes students who have distinguished themselves in Respiratory Therapy.

**Lambda Pi Eta** is a national honor society for students who have distinguished themselves in Communication.

**Phi Sigma Alpha** is a national honor society for students in Political Science.

**Phi Alpha Tau** is a national honor society open to students who have distinguished themselves in Philosophy.

**Phi Sigma Theta** is a national honor society for students with strong interest and proven track record in History.

**Physical Therapy Honor Society** is an honor society for students who have distinguished themselves in Physical Therapy.

## **Awards for Student Achievement (cont.)**

**Psi Chi** is a national honor society open to students who have distinguished themselves in Psychology.

**Sigma Beta Delta** is an international honor society for students in Business, Management and Administration.

**Sigma Iota Rho** is a national honor society open to students who have distinguished themselves in the academic areas of International Studies, International Business or Peace Studies.

**Sigma Pi Sigma** is a national honor society awarding distinction to qualifying students of high scholarship and promise of achievement in Physics.

**Sigma Tau Delta** is an international honor society for those who have distinguished themselves in English.

**Sigma Theta Tau International Nursing Honor Society** is an international honor society for nurses who have distinguished themselves in Nursing scholarship and leadership.

## **Graduate and Professional Studies Preparation**

### **Graduate School**

Many of the undergraduate programs at Wheeling University are foundations for graduate study; some majors are designed specifically to fulfill the prerequisites of graduate schools in the arts, sciences and social sciences. When a student's needs cannot be fulfilled by an existing program, the independent major, along with faculty guidance and consultation with the director of the proposed graduate program, may be appropriate. Students should consult the appropriate graduate program director for information about graduate programs, procedures for applications and scholarship opportunities. Also, the Student Success Center career library has directories and a large collection of the catalogs of graduate schools around the country.

### **Pre-Law School**

Various concentrations and majors at Wheeling University can serve as preparation for law school. The following relevant courses are recommended for students in order to successfully compete for admission: Philosophy, Political and Economic Philosophy, Political Science, Criminal Justice, History, Communications, and Business. The majority of the American Bar Association approved law schools grant or deny admission based on the Law School Admissions Test (LSAT) and undergraduate GPA, with the LSAT score as the most important criterion. Faculty in each of the listed departments are happy to speak to you about your plans and the available courses.

### **Health Pre-Professional Programs**

Wheeling University offers a well-rounded science and liberal arts education for students seeking careers in health pre-professional WU offers a well-rounded science and liberal arts education for students seeking careers in health or medical pre-professional disciplines or related fields of study. Students seeking health profession careers typically major in Biology or General Science; however, with appropriate prerequisites in the sciences met, alternative degrees may be pursued. Students are guided by their major advisors or other selected faculty when planning to complete the appropriate courses required by their choice of professional school. Upon the request of a student, appropriate faculty can write a letter of assessment to support a graduate professional school application. The assessment includes not only GPA and scores on pre-professional examinations, but also other considerations related to student abilities to successfully complete an educational program at the professional level. As a result of such faculty help and support WU's well-prepared and motivated students hold an excellent record for acceptance into professional schools.

### **Physical Therapy Pre-Professional**

Wheeling University offers a pre-physical therapy concentration to students interested in entering the WU or other Physical Therapy graduate program. Students pursue a baccalaureate degree in a major of their choosing in addition to completing the prerequisite courses in Biology, Anatomy/Physiology, Chemistry, Physics, Statistics, Math and Psychology. Although students are advised by faculty members in their chosen majors, information and guidance is provided by the WU Department of Physical Therapy. Access the following link for a listing of the recommended coursework in preparation for the WU Physical Therapy program: <http://aptaapps.apta.org/ptcas/ProgramInformation.aspx?program=MVT>. Please note that completion of the



## Physical Therapy Pre-Professional (cont.)

prerequisites does not mean automatic admission into the WU Physical Therapy Program. To assure acceptance into the Doctorate of Physical Therapy program, WU undergraduate students must complete the Early Assurance Program, obtaining an undergraduate degree, holding a minimum of an overall 3.4 GPA, score 140 on the GRE and maintain good standing with the University's academic and behavior policies.

The graduate Physical Therapy program consists of two- and one-half years of intensive course work and clinical assignments spanning seven consecutive terms in residence plus one online term at the beginning of their studies. The graduate earns a Doctor of Physical Therapy degree. The Physical Therapy curriculum utilizes a problem-based learning (PBL) model rather than the traditional lecture method of presentation. The PBL approach prepares students exceptionally well to enter the clinical setting as creative, reflective and analytical problem solvers, and critical thinkers. This has been verified through our students' high rate of success in their clinical education courses and high passage rate on the licensure examinations.

The Wheeling University Doctor of Physical Therapy Program participates in the Physical Therapist Centralized Application Service (PTCAS). Applicants applying to the entry-level professional physical therapist program will apply online using the PTCAS application. The WU DPT program application soft deadline is December 1. The admission process for the Doctor of Physical Therapy Program cohort classes begins each summer. To learn more about the PTCAS application process, please visit the PTCAS web site at [www.ptcas.org](http://www.ptcas.org). You must be able to report grades from a minimum of 25 credits of the math/science prerequisite coursework at the time your application is submitted. Please feel free to contact the WU Physical Therapy Department at <https://wheeling.edu/academics/graduate/physical-therapy/> or 304-243-7201 with any questions.

## Physical Therapy Early Assurance Program

The Wheeling University Doctor of Physical Therapy Early Assurance Program is a program that permits high school seniors the ability to apply for conditional acceptance to the Wheeling University Doctor of Physical Therapy Program. Applicants accepted into the Early Assurance Program will have a guaranteed seat in the program pending maintenance of all undergraduate requirements, completing all program admissions requirements, and earning a bachelor's degree from Wheeling University. The program will accept 5 Early Assurance students each year. Interested students must apply and be accepted to Wheeling University and declare an undergraduate major to be eligible to apply for the Early Assurance Program to the Doctor of Physical Therapy program.

### Early Assurance Admissions Requirements for interested High School Students:

- Enroll, be accepted, and declare an undergraduate major as a first-time Freshman at Wheeling University
- Cumulative high school GPA of 3.5 or greater on a 4.0 scale
- Two letters of recommendation from high school teachers in health sciences courses
- Minimum ACT composite score of 25 or SAT composite score of 1100.
- Apply to the Doctor of Physical Therapy Early Assurance Program
- Interview with Doctor of Physical Therapy Admissions Committee
- Admissions Committee will review all applications and select applicants to be accepted into the Early Assurance Program
- The decision will be made regarding selection for Early Assurance in July before the fall semester of freshman year

### Requirements to Maintain Eligibility in Early Assurance Program/Timeline:

- Students must complete an undergraduate degree within four years
- Students must maintain a 3.0 GPA each semester
- Students must maintain an undergraduate CUM GPA of 3.3 or higher
- Students must apply through PTCAS in the fall semester of senior year and complete all admissions requirements.
- Students must successfully complete the academic prerequisites for the Doctor of Physical Therapy program with a minimum grade of B in the following courses (reference the DPT program website or PTCAS for prerequisite specific details):

### **Requirements to Maintain Eligibility in Early Assurance Program/Timeline (Cont.)**

- o Anatomy & Physiology I lecture & lab
- o Anatomy & Physiology II lecture (& lab recommended)
- o Biology I lecture & lab
- o Biology II lecture & lab
- o Chemistry I lecture & lab
- o Chemistry II lecture & lab
- o Physics I lecture & lab
- o Physics II lecture & lab
- o Psychology
- o Statistics
- o All science prerequisite courses must be for science majors
- Successfully complete the following admissions requirements:
  - o GRE
    - Verbal Reasoning – greater than 20%
    - Quantitative reasoning – greater than 20%
    - Analytical writing – 3.0 or greater
    - Analytical writing – 25% or greater.
  - o Letters of recommendation:
    - Physical therapist reference
    - Academic reference
    - 3<sup>rd</sup> reference
  - o Observation hours:
    - Minimum of 80 hours verified volunteer or paid observation
  - o Background check

#### **Application deadlines:**

Application Open for Doctor of Physical Therapy Early Assurance Program: May 1st

Application Deadline: June 15th

Interviews for the Early Assurance Program: June

Acceptance Decision: July 15

## **Moving Students Forward: Undergraduate and Graduate Programs**

### **Accelerated, Online, Dual Credit, Professional Certificates and Degree Undergraduate Completion Programs**

Wheeling University also offers several accelerated and fully online undergraduate degrees and Professional Certificates to propel students forward especially adult and degree completion learners. Please see the Academic Programs of Study section in this catalog for more information. The University also offers dual undergraduate-graduate dual credit and undergraduate degree completion designed to meet the needs of academically advanced traditional students, the adult professional learner and working public. Undergraduates with a 3.0 or higher cumulative GPA may pursue, with permission of the Program faculty, up to two classes (six credit hours) in dual undergraduate-graduate study to satisfy specific graduation requirements. Students can then apply successfully obtained dual credits upon post-graduate admission into the associated graduate degree program. The University also offers special “2+2” degree completion programs including a BA in Liberal Arts and a BS in General Science for undergraduate students with various college credits entering with the goal to finish a degree.

### **Graduate and Professional Studies Degrees**

Wheeling University also offers highly-valued, accredited masters and doctoral graduate degrees accelerated and online for the convenience of working professionals. Program include:

- MAT (Master of Science in Athletic Training) prepares students for Board of Certification (BOC) credentialing
- MSA (Master of Science in Accountancy) prepares students for the CPA exam.

## Graduate and Professional Studies Degrees (cont.)

- MBA (Master of Business Administration) offers two tracks in Management and Healthcare Management
- MEL (Master of Science in Educational Leadership) offers two tracks in School or School System Leadership for principal or superintendent licensure and Instructional Leadership for teachers.
- MSL (Master of Science in Organizational Leadership)
- MSN (Master of Science in Nursing) offers tracks in Nursing Administration and Family Nurse Practitioner specialist.
- DPT (Doctor of Physical Therapy): Focus on Problem-based Learning and Community Service

Please see the Graduate and Professional Studies section of this catalog for more information on all of WU's Graduate degree programs.

## Academic Programs of Study

The undergraduate studies at Wheeling University engage students in learning through multiple approaches to learning, such as lecture, cases, research, presentations, group work, internships, applied practice, service projects, etc., depending on the discipline and the course. Faculty are teaching faculty at WU so students have a faculty member in each course. Faculty advisors and the Office of the Registrar are always available to assist students in selecting their majors, minors and courses.

In order to graduate, students must have a minimum of 120 credits in total and fulfill the requirements of a major concentration. Typically, a student must select a major no later than before registration in the spring semester of his/her sophomore year. Normally, students cannot switch majors beyond the fall semester of their junior year and/or the completion of 90 credit hours as completion of all the requirements of a major may not be possible. Again, an advisor or the Office of the Registrar staff are helpful to students who would like guidance.

## Majors and Minors

Most majors consist of 30 – 45 credits in the field of study; minors usually consist of 18 – 21 credits in a discipline. Some disciplines have Concentrations and/or Professional Certificates, which normally consists of 12 – 15 credits in the discipline. Students should plan early in their programs to take advantage of major and free electives that can be taken to fulfill double majors, minors, and certificates which are valuable for future employment, graduate school, and other professional advancement opportunities.

### Majors

Accounting	Exercise Science
Athletic Training 3+2	General Science
Biology	Healthcare and Leadership Management
Business Administration	Liberal Arts
Communications	Nursing
Criminal Justice	Psychology
Education	Sports Management
Engineering Science	Theology
English	

### Minors

In addition to completing the requirements of a major, a student may declare a minor in another academic discipline. Minors must be declared by registration in the spring semester of the student's junior year.

Accounting	English as a Second Language
Biology	General Education Non-Certification Pathway
Business	Psychology
Chemistry	Spanish
Communications	Special Education Certification Pathway
Creative Writing	Special Education Non-Certification Pathway
Criminal Justice	English

## Double Major

Double majors are possible for some students and required for students in the secondary Teacher Education program. Major requirements are specified under discipline listings in this Catalog. For majors that have common courses, at least 18 credit hours must be earned from non-overlapping courses in each of the two major areas. Approval for a double major must be secured from the advisor of the first major and the Department Chair of the second major. Double majors may require more than the normal four years of attendance for completion.

## Professional Certificates

When added to a major or a double major, a Professional Certificate positions student to advance on their careers with additional employment skills, competencies and abilities. WU Students are encouraged to add one or more of the following certificates in their programs of study as aligned with their future career choices.

- Behavioral Health and Counseling
- Construction Management Essentials
- Geographic Information Essentials
- Health Services Management
- Informational Technology Essentials
- Integrative Marketing Communications
- Juvenile Justice
- Nursing Management
- Pastoral Ministry
- Sales with Salesforce Training Sports Leadership Management Tourism and Hospitality Management

## Special Academic Programs

### Academic Internship Program

The Academic Internship Program is open to second semester juniors and seniors and is administered by the Office of Career Services in collaboration with faculty advisors. Internships provide a way for students learn and earn credit from out-of-the-classroom experiences in career-related environment. Students complete Academic Internships to explore career options, to gain experience in a chosen career field, to develop transferable skills, to learn by doing, and to establish future career networks.

To receive college credit for an Academic Internship, a student is expected to: 1) have completed at least one course directly related to his/her major; 2) be concurrently enrolled in at least two courses directly related to the major, or have already completed 3 courses related to the major if the Internship is over the summer; and, 3) submit the Internship Registration to Career Services prior to beginning the internship. Students are required to work at the approved internship site for 120 hours for 3 credits. During the same semester the student is completing the internship, he or she is required to be enrolled in an Academic Internship course. This class provides the student with internship supervision, advising, and services for career planning. Students can register for an internship in any program at the 300 (i.e., THEO 373/374) and 400 level (i.e. THEO 473/474) for 1, 2, or 3 credits and repeat up to 6 credit hours in a degree program.

While students are expected to locate their own internship, Career Services can assist them with locating and applying for internships. Consult with the Office of Career Services for more information about the Academic Internship program and how to apply.

### Experiential and Service Learning: Graduation Requirement and Fulfillment

As part of their value-added, unique educational experience at Wheeling University, all candidates for the baccalaureate degree must satisfactorily complete at least one designated Experiential and Service Learning academic course or co-curricular activity in order to fulfill the University's General Education requirement. The requirement is intended to provide students with unique and essential opportunities to connect what they have learned in the classroom to external career-related experiences, such as internships (paid or unpaid), research opportunities, clinical practice, study abroad, etc. and

## **Experiential and Service Learning: Graduation Requirement and Fulfillment (cont.)**

learn the lifelong benefits of serving communities as active and responsible citizens.

Through Experiential and Service Learning classes, projects and activities, Wheeling University students are able to explore and gain a deeper understanding of their future careers, lifestyles and societal responsibilities globally as well as locally. In general, students are also challenged to apply concepts and principles they have learned in their college coursework to their professional and service experiences as additional ways to gain critical and creative learning insights. Wheeling University's Experiential and Service-Learning activities also supports and fosters greater academic and personal growth, as students discover and understand other cultures, reflect upon personal service and professional development activities, and relate their experiences to life after graduation.

Students can register and complete the Experiential and Service Learning general education requirement through the following ways:

### **Experiential and Service Learning Courses:**

Credit-bearing Experiential and Service Learning Courses are listed in the University's catalog each year and in degree plans as EXSL. These courses fulfill both the Experiential and Service Learning requirement as well as required courses, electives in a major, or as free electives as offered each semester. These courses typically include internships, practicums, fieldwork, clinical practice, research projects, student teaching, and service learning and volunteerism activities carried out as part of a credit-bearing course or set of courses. Please note that enrollment in certain EXSL courses may be restricted to or reserved for majors-only.

An EXSL designation can also be assigned to Internship, Independent Study, Study Abroad, and Honors credit-bearing courses arranged with and authorized by a supervising faculty member in coordination with the Student Success Center staff and/or the Office of the Registrar.

### **Co-Curricular Experiential and Service Learning Opportunities:**

Students may also fulfill the requirement by enrolling in zero-based credit courses listed every semester in Self Service. Interested students need to register in the following experiences under the EXSL code in selected (repeatable) course sections:

- Sec 01: Appalachian Institute
- Sec 02: Student Government
- Sec 03: Athletic Leadership
- Sec 04: Honors
- Sec 05: Student Clubs
- Sec 06: Peer Tutoring & Mentoring
- Sec 07: Community Service
- Sec 08: Environmental Sustainability Service
- Sec 09: Career Development and Dinner
- Sec 10: Residential Assistant
- Sec 11: Jewelweed Student Literary Magazine
- Sec 12: Fog Cutter Student Research Journal

Please note that students may need to receive prior approval by the Student Success Center and Student Affairs staff in order to register in certain EXSL course sections. Students will also need to document and complete a portfolio electronically of all hours, work and experiences achieved in a EXSL course equal to a minimum of fifty (50) hours and gain release to the Registrar of final accreditation approval by the Student Success Center and Student Affairs staff, in possible conjunction with other University departments and offices, in order to fulfill the requirement. Each year, the Academic Life Committee will review all EXSL Co-Curricular Experiential and Service Learning Opportunities as carried out to assess and recommend any additional activities or improvements necessary to continually maintain the integrity and value of student learning conducted through non-credit bearing coursework in the program.

Beyond satisfying the Experiential and Service Learning requirement, students are also encouraged to explore additional value-added career, service and life-development opportunities that emphasize the application of real- world knowledge and skills, critical thinking, social leadership, and responsible citizenry.

### **Co-Curricular Experiential and Service Learning Opportunities (cont.)**

To further explore additional career, internship, service learning, and co-curricular, and beneficial life-development opportunities, students should contact the staff in the Student Success Center and in Student Affairs offices and their academic departments. To learn more about Study Abroad, students should contact staff in the Student Success Center and in their academic departments.

### **Adults, Veterans and Nontraditional Students:**

#### **Prior Learning Assessment: Credits by Portfolio Submission**

Those students who have returned to school after gaining experience in the work world, the military or through active community service should inquire about satisfying the Experiential and Service Learning requirement, along with gaining additional course credits, through a Prior Learning Assessment Portfolio submission. Work experience (including military service) and community service that can be documented can serve as credit for the Experiential and Service Learning general education requirement.

The portfolio process was designed for the nontraditional student who has returned to school after substantial experience in the work world, military service, and through community service and volunteerism activities not recorded on an academic transcript. As an alternative path, students can document through a portfolio of examples of their lifelong experience in order to satisfy the experiential and service learning requirement. Please note that students cannot exercise the portfolio option if the department of their chosen academic studies requires certain Experiential and Service Learning courses as part of their major, which are outlined in associated degree curriculum plans.

Students who wish to submit a portfolio package for consideration in fulfillment of the Experiential and Service Learning general education will be assisted by the Wheeling University Student Success Center staff with their submissions.

In general, Prior Learning Assessment Learning Portfolio will include:

1. a current resume; bachelor of arts
2. a minimum 3-5-page academic piece, such as a short research paper or reflection journal on past learning activities, if the student did not carry out the internship/service learning activity for academic credit or under faculty supervision (from any post- secondary institution); it is recommended that students have engaged in a particular career or community service activity for at least two-four consecutive years.
3. at least one company or organization letters that verify work experience for which the student is trying to get credit; and
4. a brief statement that outlines the time frame, circumstances, and manner under which the experience occurred.

Once completed, students will submit their portfolio and documentation electronically under the supervision of the Student Success Center staff, who will also coordinate with any reviewing academic department or associated faculty. Upon receiving all portfolio approvals, the Student Success Center staff will forward to the Registrar confirmation of student completion of all appropriate accreditation for fulfillment of the Experiential and Service Learning requirement.

Students who demonstrate through a detailed dossier a substantial background of career or community service experience may also receive additional Prior Learning Assessment credits applied to direct degree courses related to their chosen program of study. Please visit the catalog description of Wheeling University's Prior Learning Assessment Policy and Submission section for more information on this option. Students cannot exercise the portfolio option if the department of their chosen academic studies requires certain Experiential Education courses as part of their major.

### **Laut Honors Program**

Outstanding Wheeling University students have the opportunity to explore and engage in their programs of study on a deeper level through a challenging, multi-faceted approach. The Honors Program introduces students to a plurality of voices and insights; During the first three years of the program, honors students have the opportunity to identify specific courses in their schedule that they would like to designate as honors. The faculty member of the course will work with the student and the Honors Program director to design an engaging honors curriculum for the course. During the final semester of the senior year, students will complete the Honors Capstone Seminar; various faculty members and other guests will visit the seminars and interact with students in the exploration of an intellectual topic. Honors students will also explore the world beyond the

## **Laut Honors Program (cont.)**

classroom via field trips and service engagement.

Further information on the Honors Program includes the following:

1. Students have the opportunity to apply for the program during the first semester of their freshman year. Honors coursework begins in the second semester of the freshman year.
2. Admission to the Honors Program is based on the merit of students' high school GPA, Wheeling University first-semester GPA, recommendations of faculty members, and written performance on an essay assigned by the Honors Program.
3. Students must complete 12 credits of designated Honors academic coursework in courses selected by students with teaching faculty member approval at the 200 level or higher.
4. Students must complete a variety of designated non-credit Honors co-curricular activities.
5. Students must complete a 3-credit Capstone Seminar that will explore an intellectual topic through the lens of various disciplines, as well as experiential and service learning.
6. Students must maintain a minimum of a 3.3 cumulative GPA after the first semester of their freshman year (to be maintained throughout all subsequent semesters at the University). A student in the program whose credentials dip below minimum qualifications may petition for a probationary semester. Students who are not meeting minimum expectations of the Honors program in regard to their contribution to the program will be invited to improve their performance or resign.
7. For graduation, in addition to Honors requirements, students must fulfill University requirements as indicated by the core and their selected major.

## **Study Abroad Programs**

Students have the opportunity to participate in an array of Study Abroad opportunities that will expand their education through travelling, living and studying in diverse academic and cultural communities worldwide. Extending Study Abroad opportunities to students are central to Wheeling University's international engagement and global service mission. Students interested in this should consult the Student Success Center and the Financial Aid Office for more information.

## **Teacher Education**

A Wheeling University student may follow an education sequence, which will result in recommendation for West Virginia Teacher Certification for grades K-12, if the student is able to demonstrate competencies at appropriate levels. The Teacher Education Department is open to students majoring in Elementary Education, English, General Science, Mathematics, Social Studies, and Special Education. A Special Education endorsement is also offered. Further information can be found in this catalog under the Education Department.

# The Core Curriculum

This core is centered in Wheeling University's commitment to teaching and leading students toward the advancement of its Catholic social mission of *cura personalis*, care for the whole person. To this end, the core provides the students with the knowledge, skills, ability, and perspective flowing from the University's Catholic social mission to engage, lead, and effect meaningful change in the world. The learning journey of WU students begins then in the core curriculum and continues through the major programs with the goal of transforming the lives of the students and providing them with the motivation and expertise to effect a change in others. The Wheeling University core curriculum also provides all students, regardless of their major, with understanding of the WU human care mission and skills that will allow them to pursue their own integral development and to contribute to the common good. In the spirit of free inquiry, to communicate effectively, through both writing and speech, and through a coherent vision of reality consistent with a framework of ethical principles. In so doing, it provides students with the critical faculties to evaluate, discover, reason, discern, and infuse care for the whole person into their own lives, in their professions, and in society as a whole.

The Core Curriculum's Primary Educational Goals:

1. The student understands the WU mission of *cura personalis*, care for the whole person, and integrates principles into his/her life, professional development, and service to society.
2. development and expression of ideas in writing using a variety of genres and styles.
3. The student can communicate effectively through the development and delivery of formal oral presentations to both general and discipline-specific audiences.
4. The student is a critical thinker who utilizes valid information and criteria, is reasonable, sensitive to context, mindful of alternatives, and can make prudent and logical decisions.
5. The student is an ethical decision-maker who can recognize moral issues and incorporate ethical principles in a course of action that supports the common good.

## Core Requirements 31-33 credits

### Experiential and Service Learning (0 credits)

Complete **one** of the following:

- Any EXSL Cross-listed academic course
- Any EXSL Co-curricular course

### First Year Seminar (1 credit)

WJUS 101 First Year Experience, Service, and Reflection Seminar

### Effective Communication (9 credits)

- A. Effective Written Communication
  - a. ENGL 110 – Process of Composition
  - b. One Writing-Intensive Course – Any Writing Intensive (W) Course
- B. Effective Oral Communication
  - a. COMM 115 – Principles of Professional Speaking



## Core Requirements (cont.)

### Critical Thinking (6 credits)

#### A. Social Sciences (3 Credits)

Complete **one** of the following:

CRJU 120	Survey of Criminology
CRJU 121	Introduction to the Criminal Justice System
ECON 211	Macroeconomics
GEOG 101	Introduction to Geography
POSC 120	American Political Process
POSC 211	Comparative Politics
PSYC 110	General Psychology

#### B. Arts and Humanities (3 Credits)

Complete **one** of the following:

COMM 120	Principles of Communication
COMM 142	Digital Photography
ENGL 215	Fairy Tale and Children's Literature
ENGL 216	Young Adult Literature
ENGL 270	All the World's a Stage: Studies in Drama
ENGL 271	Norse Myth
HIST 150	Studies in Art History
HIST 351	Topics in Western Tradition I
HIST 352	Topics in Western Tradition II
PHIL 115	The Human Person
THEO 115	Religious Quest
THEO 117	Catholicism
THEO 161	Experimental Theology Course

### Philosophical and Theological Ethical Reasoning (3 Credits)

Complete **one** of the following:

PHIL 305	Ethics
THEO 305	Theological Ethics
Any THEO course	

### Empirical Analysis (6-8 credits)

#### A. Mathematical Reasoning (3-4 credits)

Complete **one** of the following:

MATH 102	Math and Society
MATH 109	College Algebra and Problem Solving
MATH 115	Into to Statistics
MATH 151	Pre-Calculus
MATH 191	Calculus

#### B. Natural Sciences (3-4 credits)

Complete **one** 3- or 4-credit course in any of the following:

Biology (BIOL)  
Chemistry (CHEM)  
Earth and Planetary Sciences (EPSC)  
Environmental Science (ENVS)  
General Science (GSCI),  
or  
Physics (PHYS)

### Global and Cultural Perspectives (6 credits)

Complete **two** of the following:

COMM 303	Race, Gender, and Class in Media
ENGL 150	Culture and Conflict in Literature
ENGL 170	World Myth and Folklore
ENGL 305	World Literature
ESLL 340	Sociolinguistics
ESLL 341	Supporting Second Language Learners, Families, and Communities
GEOG 121	World Geography
HIST 110	World History I
HIST 115	World History II
HIST 214	History of Appalachia
POSC 212	Global Politics
SOCI 121	World Community
SOCI/SPMT 261 or SPMT 225	Sociology of Sports
SPAN 101	Introduction to Spanish I
SPAN 102	Introduction to Spanish II
THEO 252	World Religions
THMT 125	Introduction of Tourism and Hospitality Mangement

## Program Curricula

### Accounting (Bachelor of Science)

The accountancy program is designed to prepare for careers in public accounting, industry, not-for-profit organizations and government. The program provides students with sound preparation for successful graduate study in business, law and other areas. Courses represent rigorous examinations of accounting concepts, principles and applications which provide the foundation for professional accountancy careers.

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#### Requirements

<b>Core</b>		<b>31-33 cr</b>
<b>Major</b>		<b>67- 72 cr</b>
<b>Accounting Requirements</b>		<b>34-39 cr</b>
ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
ACCT 311	Intermediate Accounting I	3 cr
ACCT 312	Intermediate Accounting II	3 cr
ACCT 321	Accounting Information Systems	3 cr
ACCT 331	Individual Tax Accounting	3 cr
ACCT 332	Corporate Tax Accounting	3 cr
ACCT 341	Managerial Cost Accounting	3 cr
ACCT 401	Advanced Accounting Practice	3 cr
ACCT 403	Accounting for Government and Non for Profit Organizations	3 cr
ACCT 406	Auditing Theory and Practices	3 cr
ACCT 373-74 And/or ACCT 473-74		1-6 cr

## Accounting (Bachelor of Science) (cont.)

### Business Requirements 33 cr

Any Global*	Perspectives Core Course	3 cr
BUSN 115*	Business Statistics	3 cr
ECON 211	Macroeconomics	3 cr
ECON 212	Microeconomics	3 cr
BUSN 201	Quantitative Business Analysis	3 cr
BUSN 211	Principles of Management	3 cr
BUSN 212	Principles of Marketing	3 cr
BUSN 213	Principles of Finance	3 cr
BUSN 331	Information Systems	3 cr
BUSN 355	Business Law	3 cr
BUSN 410**	Strategic Business Planning	3 cr

### Electives

MBA 503***	The Ethical Environment of Business	3cr
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### Total Credits 120 cr\*\*\*\*

\*Accounting internship is available during each semester of the junior and senior years. All accounting students need to take at least one accounting internship. For further information, check the internship handbook, which is available on the university's website.

\*\* Accounting majors may double count ECON 211 Macroeconomics and any Global Perspective Core Course in the Core and the Major.

\*\*\* Students planning to sit for the CPA exam must take MBA 503 The Ethical Environment of Business as one of the elective courses. A cumulative GPA of 2.80 or higher is required.

\*\*\*\* Students who do not reach the 120-cr. minimum using all required course credits must take electives to reach the 120cr. minimum.

## 4-Year Plan of Study

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	BUSN 211	3	BUSN 212	3
	Any Global Perspectives Core	3	BUSN 115	3
	Core	3	Core	3
	ACCT 201	3	Core	3
	WJUS 101 Core	1	ACCT 202	
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15</b>

**4-Year Plan of Study (cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	ACCT 311	3	ACCT 312	3
	ECON 211	3	ECON 212	3
	BUSN 201	3	BUSN 213	3
	Core	3	Core	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	BUSN 331	3	BUSN 355	3
	ACCT 331	3	ACCT 332	3
	Core	3	Core	3
	Core	3	Core	3
	ACCT 341	3	ACCT 321	3
	ACCT 373 Internship	1-3	ACCT 374 Internship	1-3
	<b>Total</b>	<b>15-18</b>	<b>Total</b>	<b>15-18</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	ACCT 401	3	ACCT 403	3
	Elective	3	Elective	3
	Elective	3	BUSN 410	3
	Elective	3	ACCT 406	3
	Core	3	MBA 503 (Required for CPA students or Business Elective all other ACCT students)	3
	ACCT 473 Internship	1-3	ACCT 473 Internship	1-3
	<b>Total</b>	<b>15-18</b>	<b>Total</b>	<b>15-18</b>

## Accounting Minor

### Accounting Minor (18 credits)

ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
ACCT 311	Intermediate Accounting I	3 cr
ACCT 312	Intermediate Accounting II	3 cr
ACCT 341	Managerial Cost Accounting	3 cr
ACCT 331	Tax Accounting	3 cr

\* Business majors must complete ACCT 321 in addition to above list

## Athletic Training (Bachelor of Science/Master of Science 3+2 program)

### Pre-Professional Athletic Training Track (3+2 program)

The Pre-Professional Athletic Training Track is the pre-professional phase for the Master of Science of Athletic Training (MAT) Program. During this 3-year track, students will engage in the university liberal arts “core” classes while also taking the necessary science and prerequisite courses needed to apply for the MAT professional phase.

The Master of Science of Athletic Training (MAT) Program is to provide a comprehensive education blending the foundational behaviors of professional practice, competency content areas, and clinical integration proficiencies through a learner-centered approach fostering confident, proficient, and competent Certified Athletic Trainers.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	ATHL 101 Personal Health	2	PSYC 110 General Psychology	3
	EXSC 120 Intro to Exercise Science	2	EXSC 212 Motor Development	3
	BIOL 150/151 Anatomy and Physiology I with lab	4	BIOL 152/153 Anatomy and Physiology II with lab	4
	BIOL 101 Medical Terminology	2	Core	3
	ATHL 111 Intro to Athletic Training	3	Core	3
	Core	3		
	WJUS 101 Core	1		
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	EXSC 231/ATHL 231 Emergency Care/First Aid	3	ATHL 161 Survey in Athletic Training	3
	EXSC 222 Kinesiology	3	EXSC 451/452 Exercise Physiology II	4
	EXSC 312/313 Exercise Physiology I with Lab	4	PSYC 115 Statistics for Behavioral Sciences	3
	CHEM 141/142 Chemistry I with Lab	4	Core	3
	Core	3	Core	3
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

**Pre-Professional Athletic Training Track (3+2 program) (cont.)**

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	EXSC 431 Cardiovascular Assessment and Cardiac Rehabilitation	3	BIOL Elective with Lab	4
	EXSC 441 Exercise Prescription for Special Populations	3	EXSC 321 Principles of Strength and Conditioning	3
	PHYS 141/142 Physics I with Lab	4	EXSC 330 Nutrition in Sports and Exercise	3
	Core	3	PSYC 250 Sports Psychology	3
	Core	3	Core	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

**MASTER OF SCIENCE ATHLETIC TRAINING CURRICULUM**

<b>Term I</b>	<b><u>SUMMER</u></b>	
	<b>Course</b>	<b>Credits</b>
	MAT 511 Basic Science I	2
	MAT 512 Athletic Training Science	2
	MAT 513 Clinical Science I	1
	MAT 514 Professional Issues I	1
	<b>Total</b>	<b>6</b>

<b>Term 2</b>	<b><u>FALL</u></b>	
	<b>Course</b>	<b>Credits</b>
	MAT 521 Basic Science II	3
	MAT 522 Athletic Training Science II	3
	MAT 523 Clinical Science II	3
	MAT 524 Professional Issues II	2
	MAT 525 Research and Evidence-Based Practice I	2
	MAT 526 Clinical Education I	3
	Fall/Winter Sport Rotation	
	<b>Total</b>	<b>16</b>

**MASTER OF SCIENCE ATHLETIC TRAINING CURRICULUM (cont.)**

<b>Term 3</b>	<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>
	MAT 531 Basic Science II	3
	MAT 532 Athletic Training Science III	3
	MAT 533 Clinical Science III	3
	MAT 534 Professional Issues III	2
	MAT 535 Research and Evidence-Based Practice II	2
	MAT 536 Clinical Education II	3
	Winter/Spring Sport Rotation	
	<b>Total</b>	<b>16</b>

<b>Term 4</b>	<b><u>SUMMER</u></b>	
	<b>Course</b>	<b>Credits</b>
	MAT 541 Basic Science IV	3
	MAT 542 Athletic Training Science IV	3
	MAT 534 Clinical Science IV	3
	MAT 544 Professional Issues IV	1
	<b>Total</b>	<b>10</b>

<b>Term 5</b>	<b><u>FALL</u></b>	
	<b>Course</b>	<b>Credits</b>
	MAT 555 Athletic Training Capstone	1
	MAT 556 Immersive Athletic Training	6
	Practicum Experience	
	MAT 557 BOC Exam Prep	2
	<b>Total</b>	<b>9</b>

**Prerequisite Courses for application to MAT Program:** Students must complete one semester of the following courses.

- Biology with lab
- Chemistry with lab
- Physics with lab
- Human Anatomy with lab
- Human Physiology with lab
- Statistics
- Introduction to Psychology
- Exercise Physiology
- Anatomy and Physiology 1 and 2 may substitute for these prerequisites.

### **MAT Program (cont.)**

Athletic training provides a unique experience of professionalism and interaction with athletes and athletic injuries. The athletic trainer may encounter many scenarios throughout the workday. Making decisions, devising treatment protocols, serving as a liaison to the physician, documentation of daily notes, and emergency first aid care are just a few of the scenarios one may encounter on a daily basis. The responsibilities extend to management of an athletic training facility, patient education on health topics such as nutrition, exercise, injury prevention and rehabilitation, and communication with other colleagues in the healthcare team that may include athletic trainers, coaches, physicians, nurses, insurance companies, physical therapists, etc.

Upon completion of the athletic training program at Wheeling University, students will be able to:

- Take the national Board of Certification (BOC) exam to become a nationally certified athletic trainer.
- Upon successful completion of the examination, the individual is able to enter the job force in a variety of settings including but not limited to high schools, colleges, professional athletics, clinics, hospitals, military services, Olympic training centers, and industry.
- Students will also be well prepared to pursue graduate school with opportunities to work as graduate assistants to further pursue graduate degrees.

Potential experiences as a Wheeling University Athletic Training student: The major of Athletic Training requires a certain individual who possesses a love for working with the physically active. As part of the requirements for the major and national certification eligibility, the student is required to complete six (6) semesters of clinical education experiences under the supervision of a BOC certified athletic trainer. To fulfill this requirement, the student will have the opportunity to work with Wheeling University student-athletes as well as a variety of other settings in the area including high schools, other colleges, clinics, and professional teams. Accepted students are required to follow the ATP student Handbook which defines rules, regulations, and standards for the student's continued progression in the major. In addition to the University's core curriculum requirements defined in this handbook, the Athletic Training student must maintain a cumulative GPA of 2.8 and earn a "C" grade in courses listed below.

Accreditation: The Commission on Accreditation of Athletic Training Education (CAATE) is the accrediting agency for all Athletic Training Education Programs. Wheeling University is an official CAATE accredited program.

### **Requirements for Athletic Training Bachelor of Science Degree**

ATHL-101	Personal Health	2 cr
ATHL-111	Intro to Athletic Training	3 cr
ATHL-201	Practicum I	2 cr
ATHL-202	Practicum II	2 cr
ATHL-212	Modalities	3 cr
ATHL-222/161	Musculoskeletal Anatomy/Survey in Athletic Training	3 cr
ATHL-231	Emergency Care, First Aid/CPR	2 cr
ATHL-301	Practicum III	3 cr
ATHL-302	Practicum IV	3 cr
ATHL-311	Therapeutic Exercise of Lower Extremity & Trunk	3 cr
ATHL-312	Therapeutic Exercise of Upper Extremity, Head & Neck	3 cr
ATHL-321	Evaluation of Lower Extremity & Trunk	3 cr
ATHL-322	Evaluation of Upper Extremity, Head, & Neck	3 cr
ATHL-401	Practicum V	3 cr
ATHL-402	Practicum VI	3 cr
ATHL-411	General Conditions	3 cr
ATHL-412	Athletic Training Capstone	3 cr



### **Requirements for Athletic Training Bachelor of Science Degree (cont.)**

ATHL-421	Senior Research	1 cr
ATHL-422	Professional Development	3 cr
ATHL-431	Athletic Training PBL I	3 cr
ATHL-432	Athletic Training PBL II	3 cr
BIOL-101	Medical Terminology	2 cr
BIOL-150/151	Anatomy & Physiology I with Lab	4 cr
BIOL-152/153	Anatomy & Physiology II with Lab	4 cr
CHEM-141/142	Chemistry I with Lab	4 cr
CHEM-151/152	Chemistry II with Lab	4 cr
EXSC-212	Motor Development	3 cr
EXSC-222	Kinesiology	3 cr
EXSC-312/313	Exercise Physiology I with Lab	4 cr
EXSC-330	Nutrition in Sport & Exercise	3 cr
EXSC-451/452	Exercise Physiology II with Lab	4 cr
PHYS-141/142	Physics I with Lab	4 cr
PHYS-241/242	Physics II with Lab	4 cr
PSYC-110	General Psychology	3 cr
PSYC-115	Statistics for Behavioral Sciences	3 cr
PSYC-250	Sports Psychology	3 cr

## Biology (Bachelor of Science)

Biology is the study of life. The Biology major is designed to awaken the student's interest in the living world; develop scientific habits and methods in the pursuit of knowledge; and train the student in preparation for careers in medicine, dentistry, pharmacy, research, teaching and other technical or biological vocations.

The Biology Department offers several tracks towards a baccalaureate degree. The traditional track broadly prepares the student to excel in a wide range of careers that are available in academia, government or the private sector. The pre-health professions track provides students with the appropriate preparation for medical, dental, optometry, pharmacy, veterinary medicine, physician assistant, and physical therapy programs, and the background to succeed in a graduate program leading to a doctoral degree in biomedical sciences. The program contains the basic science and mathematics components required for application to any of the above listed health professions, in addition to the University's core curriculum requirements. The third track, Earth and Planetary Sciences, explores the various aspects, regarding the past, present, and future, of our planet Earth and other planets in the solar system. A variety of courses are offered to conduct a scientific study and to address many important topics, for example the formation and evolution of Earth and other planets, history of life on Earth, change in Earth's climate, geological processes like movement of rocks, occurrence of tectonic plates, glaciers, earthquakes, tsunamis, etc.

Upon the completion of the biology program, students will demonstrate proficiency in:

1. Understanding the principles & concepts fundamental to biology
2. Performing laboratory techniques appropriate for entry-level biologists
3. Problem-solving and analytical thinking
4. Oral and written communication

Biology majors must have an overall Biology GPA at or above 2.0 and a D or better in all required Biology courses to graduate. Additionally, all Biology majors must have a grade point average at or above 2.0 in the sciences (Biology, Chemistry, Math and Physics) at the completion of their sophomore year in order to take upper-level (300- level and above) courses in Biology. Students who do not meet this requirement are not permitted to register for upper-level biology courses until their grade point average in the natural sciences is at or above 2.0. In 400-level elective courses that have a laboratory component, the laboratory component (1 credit) is required and may not be audited or taken as pass/fail.

No Biology major may receive Biology credit for a course that has been taken as an audit or as pass/fail. Laboratory instruction is a necessary component; therefore, no Biology student may audit or pass/fail any Biology laboratory course, regardless of whether the credits are needed to graduate.

No high school or AP course can be used to place out of a course at or above a 200-level. If a student wishes to use high school or AP courses to place out of a 100-level course, then the student must do so in the freshman year and have earned a score of 4. This will permit placing out of BIOL 125 or 130.

### Requirements

**Core Curriculum** **33-35 cr**

**Major, Biology** **82 cr**

**Biology** **38 cr**

BIOL 125, 130	General Biology sequence	6 cr
BIOL 140, 135	General Biology Labs	2 cr
BIOL 240, 241	Cellular and Molecular Biology with Laboratory	4 cr

Biology Electives: Seven courses. Five at the 300-400 level  
(must include at least four laboratory courses, two of five must be 400 level) 26 cr

**Chemistry** **11 cr**

CHEM 141, 142	General Chemistry I with Laboratory	4 cr
CHEM 151, 152	General Chemistry II with Laboratory	4 cr
CHEM 221	Organic Chemistry I	3 cr

## Biology (Bachelor of Science) (cont.)

### Math and Physics

MATH 151 or MATH 191	Pre-Calculus or Calculus	3-4 cr
PHYS 141, 142	Physics I with Laboratory	4 cr
PHYS 241, 242	Physics II with Laboratory	4 cr

### Cornerstone and Capstone

	<b>2 cr</b>	
BIOL 184	Biology Cornerstone Seminar	1 cr
BIOL 484	Biology Capstone Seminar	1 cr

### Electives

**27-30 cr**

## Pre-Professional Curriculum

### Pre-Professional Core

BIOL 125	Form & Function of Biological Organisms	3 cr
BIOL 130	Cell and Chromosomes	3 cr
BIOL 135	General Biology II Lab	1 cr
BIOL 140	Methods of Biology Lab	1 cr
CHEM 141, 142	General Chemistry I with Lab	4 cr
CHEM 151, 152	General Chemistry II with Lab	4 cr
CHEM 221, 222	Organic Chemistry I with Lab	5 cr
ENGL 280W	Introduction to Creative Writing	3 cr

### Pre-Medicine Track

CHEM 231	Organic Chemistry II	4 cr
CHEM 232	Organic Chemistry II Lab	1 cr
PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with Lab	4 cr
BIOL 222, 223	Histology	3 cr
BIOL 223	Histology Lab	3 cr
BIOL 240, 241	Cellular and Molecular Biology with Lab	4 cr
BIOL 310, 311	Genetics with Lab	4 cr
BIOL 317	Human Physiology	3 cr
BIOL 322	Introduction to Human Gross Anatomy	3 cr
BIOL 323	Introduction to Human Gross Anatomy Lab	2 cr
BIOL 414	Biochemistry	3 cr
BIOL 440, 441	Microbiology with Lab	4 cr

### Pre-Dental Track

PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with lab	4 cr
BIOL 218	Pathophysiology	3 cr
BIOL 222	Histology	3 cr
BIOL 223	Histology Lab	3 cr
BIOL 240, 241	Cellular and Molecular Biology with Lab	4 cr
BIOL 310, 311	Genetics with Lab	4 cr
BIOL 317	Human Physiology	3 cr
BIOL 322	Introduction to Human Gross Anatomy	3 cr

### Pre-Dental Track (cont.)

BIOL 323	Introduction to Human Gross Anatomy Lab	2 cr
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BIOL 414	Biochemistry	3 cr
BIOL 440, 441	Microbiology with Lab	4 cr
MATH 115	Introduction to Statistics	3 cr
MATH 191	Calculus I	4 cr

Most dental schools recommend additional courses in the humanities and social sciences.

### **Pre-Optometry Track**

PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with lab	4 cr
BIOL 317	Human Physiology	3 cr
BIOL 322	Introduction to Gross Anatomy	3 cr
BIOL 414	Biochemistry	3 cr
BIOL 440, 441	Microbiology with Lab	4 cr
MATH 115	Introduction to Statistics	3 cr
MATH 191	Calculus I	4 cr
PSYC 110	General Psychology	3 cr

Additional courses in physiology and anatomy are highly recommended. Other beneficial electives may include introductory statistics, ethics, histology, sociology, medical terminology, and small business management.

### **Pre-Pharmacy Track**

CHEM 231	Organic Chemistry II	4 cr
CHEM 232	Organic Chemistry II Lab	1 cr
PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with Lab	4 cr
BIOL 317	Human Physiology	3 cr
BIOL 322	Introduction to Human Gross Anatomy	3 cr
BIOL 414	Biochemistry	3 cr
BIOL 440	Microbiology	3 cr
MATH 115	Introduction to Statistics	3 cr
MATH 191	Calculus I	4 cr
PSYC 110	General Psychology	3 cr
PSYC 221	Experimental Psychology	4 cr
SOCI 121	World Community	3 cr

Furthermore, in preparation for a career in pharmacy, students are encouraged to elect coursework in areas of study such as interpersonal communication and economics.

### **Pre-Physician Assistant Track**

CHEM 231, 232	Organic Chemistry II with Lab	5 cr
BIOL 101	Medical Terminology	2 cr
BIOL 310, 311	Genetics with Lab	4 cr
BIOL 317	Human Physiology	3 cr
BIOL 322	Introduction to Human Gross Anatomy	3 cr
BIOL 323	Introduction to Human Gross Anatomy Lab	2 cr
BIOL 440, 441	Microbiology with Lab	4 cr
BIOL 462	Cancel Biology	3 cr
MATH 109	College Algebra and Problem Solving	3 cr
MATH 115	Introduction to Statistics	3 cr
PSYC 110	General Psychology	3 cr

Most Physician Assistant Schools recommend patient contact hours totaling more than 250 hours.

### Pre-Veterinary Track

CHEM 231, 232	Organic Chemistry II with Lab	5 cr
PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with Lab	4 cr
BIOL 401, 402	Animal Behavior with Lab	4 cr
BIOL 434	Invertebrate Zoology	3 cr
BIOL 461	Veterinary Anatomy	3 cr
MATH 109	College Algebra and Problem Solving	3 cr
MATH 151	Pre-Calculus	3 cr
PSYC 110	General Psychology	3 cr
SOCI 121	World Community	3 cr
COMM 115	Principles of Professional Speaking	3 cr

### Pre-Physical Therapy Track

PHYS 141, 142	Physics I with Lab	4 cr
PHYS 241, 241	Physics II with Lab	4 cr
BIOL 125	Form & Function of Biological Organisms	3 cr
BIOL 130	Cell and Chromosomes	3 cr
BIOL 135	General Biology II Lab	1 cr
BIOL 140	Methods of Biology Lab	1 cr
BIOL 150	Human Anatomy and Physiology I	3 cr
BIOL 151	Anatomy Lab	1 cr
BIOL 152, 153	Human Anatomy and Physiology II	1 cr
BIOL 153	Anatomy and Physiology II Lab	1 cr
CHEM 141, 142	General Chemistry I with Lab	4 cr
CHEM 151, 152	General Chemistry II with Lab	4 cr
MATH 115	Introduction to Statistics	3 cr
PSYC 110	General Psychology	3 cr

The PT program at Wheeling University has an articulation agreement for undergraduates at Wheeling University.

To maintain eligibility in the Wheeling University Doctor of Physical Therapy Early Assurance Program you must meet the following criteria during your undergraduate studies at the university:

- Complete an undergraduate degree within four years at Wheeling University.
- Maintain a minimum of a 3.0 GPA each semester throughout undergraduate studies.
- Maintain a minimum of a 3.3 or higher cumulative GPA throughout undergraduate studies.
- Apply for the Wheeling University Doctor of Physical Therapy program through PTCAS the summer/fall of senior year of undergraduate studies.
- Successfully complete academic prerequisites for the Wheeling University Doctor of Physical Therapy program with a minimum grade of a B in the following courses (reference the DPT program website or PTCAS for prerequisite specific details and options):
  - o Anatomy & Physiology I lecture & lab
  - o Anatomy & Physiology II lecture & lab
  - o Biology I lecture & lab
  - o Biology II lecture & lab
  - o Chemistry I lecture & lab
  - o Chemistry II lecture & lab
  - o Physics I lecture & lab
  - o Physics II lecture & lab
  - o Psychology

Note: Each professional school does require some standardized national exam prior to admitting. Exams, include, but not limited to, MCAT, DAT, OAT, and GRE. It is always recommended that students check with each professional school to which they are applying because requirements can and do change.

**Earth and Planetary Sciences Track**

**67 cr**

The Earth and Planetary Sciences track will require the major courses in addition to the BS in Biology foundation courses **24 cr**

and

ENVS 115	Environmental Conservation and Energy Sustainability	1 cr
EPSC 111	Earth Science Orientation	1 cr
EPSC 120	Earth History	3 cr
EPSC 240	Earth Fluid Mechanics	3 cr
EPSC 310	Earth's Surface, Climate Dynamics	3 cr
EPSC 442	Geophysics and Planetary Structure	4 cr
GIST 110	Geographic Information Systems	3 cr
GIST 120	GIS Databases and Enterprise GIS	3 cr
GIST 210	Cartography	3 cr
GIST 310	Advanced Geographic Information Systems	3 cr
MATH 151	Pre-Calculus	3 cr
MATH 191	Calculus I	4 cr
PHYS 107	Astronomy	3 cr
PHYS 108	Geology	3 cr
PHYS 207	Astronomy II	3 cr
<b>Total Track</b>		<b>43 cr</b>

*Upon completion includes Certificate in Geographic Information Systems*

**Total Credits**

**120 cr**

Notes: \*Biology majors may double count up to two courses (6-8 credits) in the Core and the Major

**4-Year Plan of Study**

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	BIOL 130	3	BIOL 125	3
	BIOL 140	1	BIOL 135	1
	CHEM 141/142	4	CHEM 151/152	4
	WJUS 101 (Core)	1	Core	3
	Elective or MATH 101	3	MATH 151 or 191	3-4
	<b>Total</b>	<b>12</b>	<b>Total</b>	<b>14-15</b>

#### 4-Year Plan of Study (cont.)

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	Core	3	BIOL 240/241	3-4
	*BIOL Elective/Lab	4	CHEM 231	4
	CHEM 221/222	5	Core	3
	Core	3	Core	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13-14</b>

Year 3	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	BIOL Elective/Lab	3-4	BIOL Elective/L	4
	PHYS 141/142	4	Core	3
	Core	3	Core	3
	Elective	3	Elective	3
			Elective	3
	<b>Total</b>	<b>13-14</b>	<b>Total</b>	<b>16</b>

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	Credits	Course	Credits
	BIOL Elective/Lab	4	BIOL Elective/Lab	4
	Core	3	Core	3
	BIOL Elec	3	BIOL Elective	3
	Elective	3	Elective	3
	Elective	2	Elective	2
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

### Biology Minor

Biology minors must complete the following courses (18 credits)

BIOL 125	Form and Function	3 cr
BIOL 130	Cells and Chromosomes	3 cr
BIOL 135, 140	General Biology Labs	2 cr
Three Upper-level (200, 300, or 400 level) Biology courses		10 cr
	• 2 of the 3 upper-level must at 300-400 level	
	• 1 of the 300-400 level courses must have a lab component	

## Chemistry Minor

The chemistry minor will prepare students to have a fundamental understanding of Chemistry by providing the student with experience in inorganic, organic, and biochemistry. This minor may be used as a complementary minor for any science and non-science major.

<b>Requirements</b>		<b>21 cr</b>
CHEM 141	General Chemistry I	3 cr
CHEM 142	General Chemistry I Lab	1 cr
CHEM 151	General Chemistry II	3 cr
CHEM 152	General Chemistry II Lab	1 cr
CHEM 221	Organic Chemistry I	4 cr
CHEM 222	Organic Chemistry I Lab	1 cr
CHEM 231	Organic Chemistry II	4 cr
CHEM 232	Organic Chemistry II Lab	1 cr
Select one of the following courses:		
BIOL 414	Biochemistry	3 cr
BIOL 420	Toxicology	3 cr



## Business Administration (Bachelor of Science)

The Wheeling University Mission Statement has provided a primary foundation for the development of the Mission for the Department of Business. Students will be motivated to learn for life and become proficient leaders in their fields; will be competent, knowledgeable and ethical. The purpose of business education is to contribute to the development of individuals prepared for productive and socially responsible lives and for leadership in the world of business and non-profit organizations.

The Business curriculum consists of a broad exposure to the arts and sciences and a comprehensive education in business to include coursework in Accounting, Economics, Entrepreneurialism, Finance, International Business, Management, Marketing, and Personal Financial Planning.

The Business program is designed to meet two objectives: provide a basic understanding of the nature and purpose of business and its role in society; and create a comprehensive understanding of the structure and processes of business. It focuses on analytical skills, managerial practice, and the growing infusion of information technology/data analytics/artificial intelligence into the operation and decision making of businesses. Recognizing that businesses do not make decisions in a vacuum surrounded solely by market forces, the curriculum also addresses the dynamic global, social, political, economic and technical environments in which business operates and evolves. Communication, leadership and analytical skills, and experience in working effectively in teams, all qualities required for success in business, are fundamental elements of the program. Instruction is provided by faculty with extensive experience in business and related fields. Instruction is enhanced by applicable technologies, internships, and other experiential opportunities that are integral to the Business curriculum.

The Business degree will assist graduates in:

- Pursuing career opportunities in business and non-profit organizations.
- Contributing in all major functional areas of a business.
- Recognizing and dealing with issues of ethical and social responsibility in business.
- Effectively communicating orally and in writing.
- Applying computers and standard software.
- Pursuing graduate study in business, law and other fields.

The undergraduate and graduate business programs of Wheeling University are accredited by the Association of Collegiate Business Schools and Programs (ACBSP). This distinction means that in addition to university-wide accreditation by the Higher Learning Commission, the Business department programs have met the high standards of this international business-specific, professional accreditation association. We have sought and achieved this accreditation in order to ensure that our curricula, faculty, facilities and internal evaluation processes meet or exceed recognized national standards.

### Requirements

Core		31-33 cr
Major		42 cr
	Any Global Perspectives Core Course*	3 cr
BUSN 115*	Business Statistics	3 cr
ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
ECON 211	Macroeconomics	3 cr
ECON 212	Microeconomics	3 cr
BUSN 201	Quantitative Business Analysis	3 cr
BUSN 211	Principles of Management	3 cr
BUSN 212	Principles of Marketing	3 cr
BUSN 213	Principles of Finance	3 cr
BUSN 331	Information Systems	3 cr
BUSN 355	Business Law	3 cr

BUSN 410	Strategic Business Planning	3 cr
Plus, one 300-400-level Business Elective		3 cr

**Business Concentrations (select at least one) 15 credits**

**General Business Concentration 15 cr**

Select any five (5) business courses beyond the courses required in the major.

**Financial Management Concentration 18 cr**

BUSN 213	Principles of Finance	3 cr
BUSN 223	Applied Investments I	3 cr
BUSN 312	Financial Analytics	3 cr
BUSN 316	Investment and Portfolio Management	3 cr
BUSN 411	Tax, Estate, Trust, and Retirement Planning	3 cr
BUSN 412	Risk Management & Insurance	3 cr

**Human Resources Concentration 15 cr**

BUSN 236	Human Resources Management	3 cr
BUSN 251	Organizational Behavior	3 cr
BUSN 320	Compensation and Benefits	3 cr
BUSN 321	Collective Bargaining and Labor Relations	3 cr
BUSN 415	Employment Law	3 cr

**Management Concentration 15 cr**

BUSN 236	Human Resources Management	3 cr
BUSN 251	Organizational Behavior	3 cr
BUSN 301	Conceptual Foundations of Business	3 cr
BUSN 325	Organizational Leadership	3 cr
Plus, one 300-400-level Business Elective		3 cr

**Marketing Concentration 15 cr**

BUSN 231	Intro to Professional Selling	3 cr
BUSN 252	Consumer Behavior	3 cr
BUSN 323	Digital Marketing	3 cr
BUSN 420	Marketing Strategies	3 cr
Plus, one 300-400-level Business Elective		3 cr

**Sports Management Concentration 15 cr**

The sports management concentration prepares students for careers related to intercollegiate athletics, professional sports, major sporting events, community-based sports, sports facilities management and sports communications, marketing, ticket sales, and promotion. The concentration can be a feeder program for the Athletic Administration concentration in MSOL program.

SPMT 220	Sports Management	3 cr
SPMT 340	Sports Marketing	3 cr
SPMT 401	Sports Facility and Event Management	3 cr
SPMT 402	Sports Law	3 cr
Plus, one approved SPMT elective		3 cr

## Business Concentrations (cont.)

**Electives**

**28-30 cr**

**Total Credits**

**120cr \*\***

\* Business majors may double count Any Global Perspectives Core and ECON

211 Macroeconomics in the Core and the Major.

\*\*Students who do not reach the 120cr. minimum using all required course credits must take electives to reach the 120 cr. minimum.

## 4 Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>	
BUSN 211	3	BUSN 212	3	
Any Global Perspectives Core	3	BUSN 115	3	
Core	3	Core	3	
WJUS 101 (Core)	1	Core	3	
Elective	3	Elective	3	
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15</b>	

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>	
ACCT 201	3	ACCT 202	3	
ECON 211	3	ECON 212	3	
BUSN 201	3	BUSN 355	3	
Core	3	Core	3	
Elective	3	Elective	3	
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	

## 4 Year Plan of Study (cont.)

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>	
BUSN 331	3	BUSN 331	3	
Concentration Course I	3	Concentration Course 2	3	
Core	3	Core	3	
Core	3	Core	3	
Elective	3	Elective	3	
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>	
BUSN 331	3	BUSN 331	3	
Concentration Course 3	3	Concentration Course 5	3	
Concentration Course 4	3	BUSN 410	3	
Core	3	Elective	3	
Elective	3	Elective	3	
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	

### Business Minor

**18 cr**

Students majoring in disciplines other than Business and Accounting may earn a minor in Business by completing the following courses (18 credits)

ACCT 201	Principles of Accounting I	3 cr
BUSN 211	Principles of Management	3 cr
ECON 211	Macroeconomics	3 cr
BUSN 212	Principles of Marketing	3 cr
BUSN 213	Principles of Finance	3 cr

Select one:

BUSN 331	Information Systems	3 cr
BUSN 436	Human Resources Management	3 cr

## Business Professional Certificates

### **Integrative Marketing Communications [Professional Certificate] 18 cr**

Prepares Business, English Liberal Arts or any major to pursue a career that involves managing public and employee communications, materials, processes and systems. This includes producing and managing associated print, digital and multi-media materials and organizing and implementing internal and external communication flows, work projects, applications, and management systems.

#### **Required Courses:**

BUSN 211	Principles of Marketing	3 cr
COMM 258W	Public Relations	3 cr
or		
COMM 259W	Advertising	3 cr
BUSN 252	Consumer Behavior	3 cr
BUSN 323	Digital Marketing	3 cr
BUSN 420	Marketing Strategies	3 cr
COMM 351	Integrated Marketing Communication	3 cr

### **Sales with Salesforce™ Training [Professional Certificate] 18 cr**

Provides certification in Salesforce™, a state-of-the-industry Customer Relations Management software system. Marketing students will simultaneously receive this important Salesforce™ certification with their BS in Business Administration: Marketing Concentration degree. Any other WU major can also enter in on the certificate and complete it in their program of study. All Professionals with an AA/AS or BA/BS degree can also gain this national Salesforce™ Training certification.

#### **Required Courses:**

BUSN 212	Principles of Marketing	3 cr
BUSN 231	Intro to Professional Selling	3 cr
BUSN 252	Consumer Behavior	3 cr
BUSN 323	Digital Marketing	3 cr
BUSN 420	Marketing Strategies	3 cr
BUSN 430	Mastering CRM: Salesforce™ Trailhead Training and Certification	3 cr

### **Sports Leadership and Management [Professional Certificate] 15 cr**

The Sports Leadership and Management Certificate prepares students for careers related to intercollegiate athletics, professional sport, major sports events, community-based sport, adaptive sports for persons with disabilities/physical challenges, community relations, sports facilities management and sports communications, marketing, ticket sales, and promotion. Students learn to assume the responsibilities for developing and leading professional and amateur athletes and managing sports programs in a variety of academic, public and private sectors.

## Sports Leadership and Management [Professional Certificate] (cont.)

### Required Courses:

BUSN 250	Sports Leadership	3 cr
SPMT 220	Sports Management	3 cr
And 9 credits of electives:		
PSYC 250	Sports Psychology	3 cr
SPMT 340	Sports Marketing	3 cr
SPMT 401	Sports Facility and Event Management	3 cr
SPMT 402	Sports Law	3 cr

OR

Up to 9 credits of MBA/MSL credits by permission

MBA 572D	Management of Sports	3 cr
MSL 520	Foundations of Interscholastic Athletic Administration	3 cr
MSL 522	Facility and Event Management in Interscholastic Athletic Administration	3 cr
MSL 523	Governance and Legal Regulation for Interscholastic Athletics	3 cr
MSL 524	Operations Management in Athletic Administration	3 cr
MSL 586:	Advanced Strength, Speed and Conditioning (Prepares students for the Certified Strength and Conditioning Specialist (CSCS) certification exam – an essential credential to coach at the NCAA Division I and II levels).	3 cr

## Tourism and Hospitality Management [Professional Certificate] 15 cr

The Tourism and Hospitality Management Certificate program prepares students for entry to mid-level positions in various segments of tourism and hospitality industry such as cruise lines and tour companies, hotels and resorts, restaurants and other foodservice companies, attractions and gaming, meeting and event planning, transportation, and destination management. Today's tourism and hospitality, as one of the fastest growing industries in the world, extends from small independent operations to globally-connected multi-site organizations transcending geographical boundaries. This program aims to prepare students for employment in management positions in the tourism and hospitality industry and/or to provide supplemental training for persons who previously or currently employed in these occupations. This program also creates a pathway for exciting career opportunities for those who are passionate about interacting with people, creating exceptional experiences and thrive in an environment where no two days are the same.

### Required Courses:

THMT 125	Intro to Tourism and Hospitality Management	3 cr
BUSN 225/THMT 225	Tourism and Hospitality Marketing	3 cr
BUSN 265/THMT 265	Strategic and Risk Management in the Tourism and Hospitality Industry	3 cr
BUSN403/THMT 403	Legal and Ethical Issues in the Tourism and Hospitality Industry	3 cr
THMT 473	Internship in Tourism and Hospitality Management	3 cr

## Communication (Bachelor of Arts)

The communication discipline provides a strong curriculum that teaches students writing skills, speaking skills, media literacy, critical thinking skills, and sensitivity to cultural diversity. Skills in this discipline, such as the ability to create a written and/or verbal message, listen to others, interact with co-workers, demonstrate leadership, and being observant of our multicultural world are sought-after skills by employers in a variety of fields. The communication discipline also prioritizes the role of media, media production, and media literacy skills to better understand how individuals can voice their perspectives to make a difference in the world.

A degree in communication opens the door to possible careers in media production or broadcasting, advertising, public relations, journalism, health communication, law, and many more fields. Students often pursue graduate school to further understand the communication discipline, craft original research, and influence public discourse. There are also opportunities for experience in service to one's community, research in media and cultural studies fields, and internships in professional fields such as broadcasting, advertising, public relations, and law. The communication discipline prepares you for success in graduate studies or a professional career in many professional and humanities-based fields.

Drawing on rich humanistic and Catholic traditions, the communication program at WU educates students for life, leadership, and service through a variety of avenues including human interaction, cultural diversity, theoretical foundations in rhetoric and cultural studies, and media production. Communication students at WU learn through hands-on experiences that expand upon what they discuss in the classroom. Some possible opportunities include media-based projects, internships, and service-learning activities. The required internship/community service portfolio sets our department apart from other departments because students leave with a tangible representation of what they have accomplished while earning their degree.

### Learning Outcomes:

The communication major at WU stresses both analysis and production of different forms of communications. Upon completion of the program, the student will demonstrate the following outcomes:

1. Create messages appropriate to audience, context, and communication goals.
2. Analyze messages using critical thinking, media literacy, and active listening skills.
3. Apply the research methods associated with the study of human communication.
4. Compose written texts, electronic media-based communications and oral presentations that demonstrate communication ethics, cultural differences, and mindful message creation.
5. Influence public discourse.

### Requirements

<b>Core*</b>		<b>31-33 cr</b>
<b>Major</b>		<b>42 cr</b>
COMM 120	Principles of Communication	3 cr
COMM 121	Persuasion	3 cr
COMM 151	Fundamentals of Interpersonal Communication	3 cr
COMM 161W	Fundamentals of Journalism	3 cr
COMM 204	Argumentation and Debate	3 cr
COMM 303	Race, Gender, and Class in Media	3 cr
COMM 311W	Public Relations Writing	3 cr
COMM 330	Communication Research Methods	3 cr
COMM 351	Integrated Marketing Communication	3 cr
COMM 473	Communications Internship I	1 cr
COMM 474	Communications Internship II	2 cr
COMM 481	Senior Seminar	3 cr

**Requirements (cont.)**

**Select 2 of the following:**

COMM 221	Topics in Communication	3 cr
COMM 232	Visual Design	3 cr
COMM 259W	Advertising	3 cr
COMM 142	Digital Photography	3 cr
BUSN 380	Digital Marketing Storytelling	3 cr

**Select one course in ENGL creative writing** 3 cr

\*ENGL 110 Process of Composition and COMM 115 Principles of Professional Speaking are considered Core Foundations.

\*\* Students who do not reach the 120 cr. minimum using all required course credits must take electives to reach the 120 cr. minimum.

**4-Year Plan of Study**

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	COMM 120 Principles of Communication	3	COMM 161W Fundamentals of Journalism	3
	COMM 115 Principles of Professional Speaking*	3	COMM 151 Fundamentals of Interpersonal Communication	3
	ENGL 110 Process of Composition*	3	Core	3
	Core	3	Core	3
	Core	3		
	WJUS 101 Core	1	Elective	3
	<b>Total</b>	16	<b>Total</b>	15

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	COMM 311W Public Relations Writing	3	COMM 204 Argumentation and Debate	3
	COMM 121 Persuasion	3	COMM Elective #1	3
	Core	3	Core	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	15	<b>Total</b>	15



#### 4-Year Plan of Study (cont.)

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	COMM 303 Race, Gender, & Class in Media**	3	COMM 330 Communication Research Methods	3
	COMM 351 Integrated Marketing Comm	3	ENGL Creative Writing Elective	3
	Core	3	COMM Elective #2	3
	Elective	3	Core	3
	Elective	3	Elective	3
	COMM 473 Communications Internship I	1		
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	BUSN 380 Digital Marketing Storytelling	3	COMM 481 Senior Seminar	3
	COMM 474 Communications Internship II	2	Elective	3
	Core	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

**Total shown: 121 credit hours**

Note: \*ENGL 110 Process of Composition and COMM 115 Principles of Professional Speaking are considered Core Foundations.

Note: \*\*Communication majors may double count COMM 161W Fundamentals of Journalism, ENGL 303 Race, Gender, and Class in Media, and ARTS 142 Digital Photography in the Core and the Major.

#### Communication Minor (18 Credits)

COMM 120	Principles of Communication	3 cr
COMM 151	Fundamentals of Interpersonal Communication	3 cr
Select One:		3 cr
COMM 121	Persuasion	
COMM 303	Race, Gender, and Class in Media	
One additional COMM class (any level)		3 cr
Two additional COMM classes (200-level or above)		6 cr

## Criminal Justice (Bachelor of Arts)

Wheeling University's major in Criminal Justice prepares students for a broad range of careers that demand effective writing, speaking and critical thinking skills. This major offers a solid, rigorous course of instruction in criminal justice that will allow students to successfully compete after graduation, whether in graduate school, law school, or employment opportunities.

Upon completion of the Criminal Justice program, students will demonstrate the ability to:

1. Exhibit familiarity with basic concepts, such as justice, crime and criminality.
2. Explain the operations of the Criminal Justice System and how the various subsystems are interrelated.
3. Explain the theoretical underpinnings of crime, victimization and punishment.
4. Explore in detail the processes and professional roles found within criminal justice organizations.
5. Analyze and evaluate contemporary issues in the criminal justice field that profoundly impact American society.

### Requirements

#### Core

**31-33 cr**

#### Major

**45 cr**

GIST 110	Intro to Geographic Information Systems	3 cr
POSC 120*	American Political Process	3 cr
PSYC 115*	Statistics for Behavioral Sciences	3 cr
CRJU 120	Criminology	3 cr
CRJU 121	Introduction to the Criminal Justice System	3 cr
CRJU 212	Criminal Law and Procedure	3 cr
CRJU 215	Law Enforcement	3 cr
CRJU 250	Criminal Investigations	3 cr
CRJU 312	Juvenile Justice System	3 cr
CRJU 318	Occupational Crime	3 cr
CRJU 321	Corrections	3 cr
CRJU 327	Comparative Systems of Justice and Social	3 cr
CRJU 340	Issues in Criminal Justice	3 cr
CRJU 410	Ethics	3 cr
CRJU 421	Management and Administration in Criminal	3 cr
CRJU 450	Justice Organizations	3 cr
Electives		44 – 46 cr

#### Total

**120 cr.**

\* Criminal Justice majors may double count POSC 120 American Political Process and PSYC 115 Statistics for the Behavioral Sciences in the Core and the Major.

Notes: \*Students who do not reach the 120 cr. minimum using all required course credits must take electives to reach the 120 cr minimum.

## 4-Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	CRJU 121	3	CRJU 120	3
	PSYC 110	3	GIST 110	3
	POSC 120	3	Core	3
	Core	3	Core	3 - 4
	WJUS 101	1	Elective	3
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15 - 16</b>

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	CRJU 212	3	CRJU 250	3
	CRJU 215	3	CRJU 312	3
	Core	3	Core	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	CRJU 318	3	CRJU Elective	3
	CRJU 321	3	Elective	3
	Core	3	Core	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	CRJU 410	3	CRJU 480	3
	CRJU Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

### Criminal Justice Minor (18 credits)

CRJU 120	Criminology	3 cr
CRJU 121	Introduction to the Criminal Justice System	3 cr
4 CRJU Electives		12 cr

## Juvenile Justice [Professional Certificate] (15 credit)

The Juvenile Justice certificate program is designed to help students understand the unique challenges facing adolescents and young adults in our rapidly changing world. Intended for counselors, educators, family therapists, social workers and other professionals dedicated to serving the developmental needs of youth in contemporary society, the program provides an overview of the major issues that impact youth development from a social justice perspective.

### Curriculum

CRJU 323	Child and Family Intervention Strategies	3 cr
CRJU 324	The Victimization of Children and Trauma Informed Care	3 cr
CRJU 312	Juvenile Justice System	3 cr
PSYC 214	Child Psychology	3 cr
PSYC 216	Adolescent Psychology	3 cr

## Education (Bachelor of Arts)

The Wheeling University Education Program was awarded full accreditation by the Association for Advancing Quality in Educator Preparation (AAQEP) for excellence in educator preparation valid December 2022 – December 2029.

The Education Department (Teacher-Preparation Program) is designed for students who wish to pursue certification leading to licensure in Elementary Education (K-6, Multi-Subjects), Secondary Education (5-Adult Content Specialization), and/or Special Education. Students pursuing secondary certification (Grade 5-Adult) complete coursework in three areas: (1) core curriculum, (2) the professional education component, and (3) content specialization. The student will receive will choose to major in Secondary Education with an emphasis in English, General Science, Math, OR Social Studies. Those who wish to pursue certification in Elementary Education will major in Elementary Education (LSEE). Early field experiences in local schools complement content-rich University coursework, leading successful candidates to initial certification in West Virginia with reciprocity to most other states.

Licensure Offerings include the following:

- Elementary Education (K-6, Multi-Subjects)
- Secondary Education (5-Adult): English; General Science; Math; Social Studies

**NOTE:** Teacher Candidates seeking licensure in English and General Science will complete a dual major. One in Secondary Education and the other in English or General Science.

- Special Education – Multi-Categorical (K-6 or 5-Adult)

\*Endorsement Offerings include the following:

- Special Education – Multi-Categorical (K-6 or 5-Adult)- may be added onto any content license major or may be a stand-alone major.

## Admission to Education Program Requirements

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Also, prior to student teaching, students must pass the praxis content exams.

## **Admission to Education Program Requirements (cont.)**

**In order to obtain teacher certification in West Virginia, students must successfully complete all required national Praxis examinations through the Educational Testing Service (ETS) and complete an undergraduate teacher preparation program.**

Upon completion of the program the student will be able to demonstrate competency in the following standards:

- West Virginia Professional Teaching Standards
- International Society for Technology in Education Standards
- Interstate Teacher Assessment and Support Consortium

## **Praxis Testing and Exemptions as Regulated by the West Virginia Department of Education (Policy 5100 and Policy 5202) Effective: May 10, 2023**

The following exemptions are established by the WVBE for required exams of professional licensure:

- Pre-Professional Skills Tests

**Individuals may be exempt from the WVBE-required tests for pre-professional skills (Reading, Writing, Mathematics), provided they meet one of the following criteria:**

- Has attained a composite score of 25 on the American College Test (ACT) (prior to November 1989); or
- Has attained a composite score of 26 on the ACT (on or after November 1, 1989); or
- Has a 1035 on the Scholastic Achievement Test (SAT) (prior to 1995); or
- Has a 1125 on the re-centered SAT (effective April 1995); or
- Has a 1170 on the revised SAT using the combined Critical Reading and Math score (effective March 2005); or
- Has attained a New SAT score of 470 using the combined Evidence-Based Reading and Writing and a score of 520 in Math. Candidates may use scores from multiple administrations (effective May 2016).

**For exemption from the Reading and Writing Pre-Professional Skills Test only:**

- Has attained a minimum combined score of 34 on the ACT exam (effective on or after November 1, 1989) in both English and Reading with a minimum individual score of 17 for each individual subject (English and Reading). Eligible scores for English and Reading on the ACT enhanced exam may be combined from multiple administrations of the exam; or
- Has attained a New SAT score of 480 using the combined Evidence-Based Reading and Writing. Candidates may use scores from multiple administrations (effective May 2016).

**For exemption from the Mathematics Pre-Professional Skills Test only:**

- Has attained a minimum individual score of 19 on the ACT exam (through June 30, 2023) in mathematics during any administration of the test; or
- Has attained a minimum individual score of 20 on the ACT exam (after July 1, 2023) in Mathematics during any administration of the test; or
- Has attained an SAT score of 530 In Math. Candidates may use scores from multiple administrations (effective May 2016).

**Notes on exemptions from pre-professional skills tests using ACT (effective on or after November 1989) scores:**

**Admission to Education Program Requirements (cont.)**

Applicants may use the average of the best ACT scores from each subject on multiple attempts of the exam to meet a combined score or composite score exemption, with the exception of the writing section score, which is not figured into a composite score.

You may find a free super score calculator on the following website:

<https://www.act.org/content/act/en/students-and-parents/college-planning-resources/testing-advice-for-the-act/how-to-calculate-your-act-superscore.html>.

**Required PRAXIS I and PRAXIS II Required Test Codes and Qualifying Scores are listed below:**

**Praxis I: Core Academic Skills for Educators (CASE)**

Required Tests	Current
5713 Reading	156
5723 Writing	162
5733 Mathematics	150

**Praxis II Content Test (see applicable endorsement area in table below)**

<b>ELEMENTARY EDUCATION (K-6)</b>	
Test Number and Name	Required Score
5001: Elementary Education: Multiple Subjects OR 7811: Elementary Education: Content Knowledge for Teaching (CKT)	Must obtain a passing score in each subsection (4 sections)  May combine sections from both tests (5001 and 7811) to satisfy requirement
5002: Reading and Language Arts OR 7812: Reading and Language Arts (CKT)	157  161
<b>AND</b>	
5003: Mathematics OR 7813: Mathematics (CKT)	157  150
<b>AND</b>	
5004: Social Studies OR 7815: Social Studies (CKT)	155  161
<b>AND</b>	
5005: Science OR 7814: Science (CKT)	159  154

<b>ENGLISH (5-Adult)</b>	
<b>Test Number and Name</b>	<b>Required Score</b>
5038: English Language Arts: Content Knowledge	167
<b>GENERAL SCIENCE (5-Adult)</b>	
<b>Test Number and Name</b>	<b>Required Score</b>
5436: General Science: Content Knowledge	141

<b>MATHEMATICS (5-Adult)</b>	
<b>Test Number and Name</b>	<b>Required Score</b>
5165: Mathematics: Content Knowledge (Calculator Required)	159

<b>SOCIAL STUDIES (5-Adult)</b>	
<b>Test Number and Name</b>	<b>Required Score</b>
5081: Social Studies: Content Knowledge	148

<b>MULTI-CATEGORICAL SPECIAL EDUCATION (BD , MI, SLD, EXCLUDING AUTISM) (K-6), (5-Adult)</b>	
<b>Test Number and Name</b>	<b>Required Score</b>
5543: Education of Exceptional Students: Mild to Moderate	153

**Praxis PLT (Applicants must take the appropriate programmatic level test)**

<b>PRAXIS TEST (Required for Teacher Certification)</b>	<b>Required Score</b>
5622 Principles of Learning & Teaching (K-6)	160
5624 Principles of Learning & Teaching (7-12)	157

## Elementary Education Major

### Requirements

#### Core

**31-33 Credits**

#### Major

**90 Credits**

HIST 211	Hist American People I	3 cr
or		
HIST 212	Hist American People II	3 cr
HIST 214	History of Appalachia	3 cr
POSC 120	American Political Process	3 cr
GSCI 115	Integrated Sciences I (may be taken after GSCI 120)	3 cr
GSCI 120	Integrated Sciences II (may be taken before GSCI 115)	3 cr
PSYC 110	General Psychology	3 cr
PSYC 212	Developmental Psychology	3 cr
PSYC 220	Educational Psychology	3 cr
MATH 109	College Algebra and Problem Solving	3 cr
MATH XXX	Math elective	3 cr
MATH XXX	Math elective	3 cr
EDUC 210	Educational Technology	3 cr
EDUC 231	Schools & Communities – Class and Field	3 cr
EDUC 232	Classroom & Teacher Roles – Class and Field	3 cr
EDUC 320	The Special Education Process	3 cr
EDUC 333C	Exceptionalities & Diversity	3 cr
EDUC 316	Grammar	3 cr
EDUC 223	Teaching Methods: Physical Education, Health & Safety	3 cr
EDUC 322	Literacy: Teaching Reading & Phonics in Elem. School – Class and Field	3 cr
EDUC 323	Teaching Methods: Art Through Children’s Literature	3 cr
EDUC 324	Teaching Methods: Math & Science – Class and Field	3 cr
EDUC 325	Diagnosis & Correction: Mathematics – Class and Field	3 cr
EDUC 327	Teaching Methods: Music for Elementary Teachers	3 cr
EDUC 334	Reading in Content Areas – Class and Field	3 cr
EDUC 341	Teaching Methods: Language Arts & Social Science	3 cr
EDUC 441	Diagnosis & Correction: Reading & Language Arts – Class and Field	3 cr
EDUC 473	WVTPS: Action Research (while student teaching)	3 cr
EDUC 475	Seminar (while student teaching)	3 cr
EDUC 476	Evaluation	3 cr
EDUC XXX	Student Teaching: Residency I	5 cr
EDUC XXX	Student Teaching: Residency II	6 cr

#### Total

**121-123 cr.**



## 4-Year Plan of Study – Elementary Education

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credit</b>	<b>Course</b>	<b>Credits</b>
	EDUC 231 Schools and Communities	3	EDUC 232 Classroom and Teacher Roles	3
	PSYC 110 General Psychology (Foundations & Integration-Social Sciences)	3	PSYC 212 Developmental Psychology or PSYCH 214 Adolescent Psychology	3
	POSC 120 American Politics	3	EDUC 316 Grammar	3
	MATH 109 College Algebra and Problem Solving (Core Empirical Reasoning)	3	Core (Effective Communication- Writing Intensive Sequence Part II)	3
	ENGL 110W (Core Effective Communication- Writing Intensive Sequence Part I)	3	MATH Elective	3
	WJUS 103 (Core Seminar)	1		
	<b>Total</b>	15	<b>Total</b>	15

*SUMMER: Praxis CORE Exam or Exempt from Praxis with ACT or SAT Scores*

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	EDUC 210 Educational Technology	3	EDUC 333C Exceptionality & Diversity in the Classroom	3
	HIST 211 American History I or HIST 212 American History II	3	EDUC 223 Curriculum Development & Methods: Physical Education, Health, and Safety	2
	EDUC 320 The Special Education Process	3	GSCI 120 Integrated Sciences II	3
	GSCI 115 Integrated Sciences I Core (Empirical Analysis-Natural Science)	3	EDUC 334 Reading In Content Areas	3
	Core (Effective Communication-Effective Speaking)	3	Core (Global Perspectives)	3
	<b>Total</b>	15	<b>Total</b>	14

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	EDUC 322 Teaching Reading & Phonics in the Elementary School	4	EDUC 323 Curriculum Development & Methods: Art Through Children's Literature	2
	PSYC 220 Educational Psychology	3	EDUC 325 Diagnosis & Correction: Mathematics	3
	EDUC 324 Curriculum Development and Methods: Mathematics and Science	3	EDUC 341 Curriculum Development & Methods: Language Arts and Social Studies	3
	HIST 214 History of Appalachia	3	EDUC 441 Diagnosis & Correction: Reading and Language Arts	2
	MATH Elective	3	Elective	3
			Elective	4
	<b>Total</b>	16	<b>Total</b>	17

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	EDUC 327 Curriculum Development and Methods: Music for Elementary	2	EDUC 473 WVTPA	1
	Core (Humanities)	3	EDUC 475 Student Teaching Seminar	1
	Core (Ethics)	3	EDUC 476 Evaluation	2
	EDUC 375 Special Projects	1	EDUC 375 Special Projects	2
	EDUC Student Teaching: Residency I	5	EDUC Student Teaching: Residency II	6
	Total	14	Total	12

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores

Year three must complete Praxis II Content

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Prior to student teaching, students must pass the Praxis Content Exams. In order to obtain teacher certification, students must successfully complete all required national Praxis Examinations through the Educational Testing Service (ETS).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

## Secondary Education Major

<u>Course</u>		<u>Credits</u>
<b>PSYC 110</b>	General Psychology	3 cr
<b>PSYC 212</b>	Developmental Psychology	3 cr
<b>PSYC 220</b>	Educational Psychology	3 cr
<b>EDUC 210</b>	Educational Technology	3 cr
<b>EDUC 231</b>	Schools & Communities –Class and Field	3 cr
<b>EDUC 232</b>	Classroom & Teacher Roles –Class and Field	3 cr
<b>EDUC 310/311/312</b>	Curriculum Development and Methods –Class and Field	3 cr
<b>EDUC 320</b>	The Special Education Process – Class and Field	3 cr
<b>EDUC 333C</b>	Exceptionalities & Diversity	3 cr
<b>EDUC 334</b>	Reading In Content Areas- Class and Field	3 cr
<b>EDUC 473</b>	WVTPA/Action Research (while student teaching)	1cr
<b>EDUC 475</b>	Seminar (while student teaching)	1 cr
<b>EDUC 476</b>	Evaluation	2 cr
<b>EDUC 480</b>	Student Teaching: Residency I	5 cr
<b>EDUC 481</b>	Student Teaching: Residency II	3-11 cr
<b>Total Credits</b>		44 cr

The number of credits in the content major is defined by the secondary major. (See the appropriate section of this Catalog.) For example, a student who wants to teach high school History must have a “Content Major” in History, which requires 48 credits, plus complete the Core Curriculum, and the Secondary Education Major (44 credits).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120 credit minimum.

## Secondary Education Major with English Major

### Curriculum

**A total of 39 credits are required in English**

#### Core Foundations 6 cr

ENGL 110	Process of Composition	3 cr
COMM 115	Principles of Professional Speaking	3 cr

**Major 33 cr**

**Writing 12 cr**

ENGL 115W	Explorations in Literature: Fiction, Poetry, and Drama	3 cr
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**One of the following courses: 3 cr**

ENGL 286W	Life and Times of Famous Authors: Research Methods I
ENGL 287W	Life and Times of Famous Authors: Research Methods II

## Secondary Education Major with English Major (cont.)

**One of the following courses:** 3 cr

ENGL 180W	Intro to Creative Writing
ENGL 281W	Fiction Writing Workshop
ENGL 282W	Literary Nonfiction Writing Workshop
ENGL 283W	Poetry Writing Workshop
ENGL 285W	Nature Writing Workshop

**ENGL 486 Senior Literature Thesis I: Proposal and Research 1 cr**

**ENGL 487 Senior Literature Thesis II: Revision and Presentation 2 cr**

**Literature 21 cr**

ENGL 275	Shakespeare	3 cr
ENGL 425	Literary Theory	3 cr

**One of the following courses:** 3 cr

ENGL 215	Children's Literature
ENGL 216	Young Adult Literature

**One of the following courses:** 3 cr

ENGL 301W	British Literature I
ENGL 302W	British Literature II

**One of the following courses:** 3 cr

ENGL 303W	American Literature I
ENGL 304W	American Literature II

**One of the following courses:** 3 cr

ENGL 270	Classical Myth
ENGL 271	Norse Myth
ENGL 305	World Literature

**One of the following courses:** 3 cr

ENGL 150	Culture and Conflict
ENGL 170	Introduction to World Myth and Folktales
ENGL 205W	Thematic Topics in Literature I
ENGL 206W	Thematic Topics in Literature II

**Notes: Six credits in the Core may count toward the English major (ENGL 115W and ENGL 286W).**

## 4-Year Plan of Study Secondary Education Major with English Major

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGL 110W Core Effective Communication-Writing Sequence Part I	3	EDUC 232 Classroom and Teacher Roles	3
	EDUC 231 Schools and Communities	3	PSYC 212 - Developmental Psychology or PSYC 216 - Adolescent Psychology	3
	PSYC 110 General Psychology (Foundations & Integration-Social Sciences)	3	ENGL 115W Explorations in Lit (Core-Effective Communication- Writing Intensive Sequence Part II)	3
	MATH 109 College Algebra and Problem Solving (Core Empirical Reasoning)	3	ENGL 150 Culture and Conflict	3
	English Requirement Literature	3	COMM 115 Prof. Speaking (Core-Effective Communication)	3
	WJUS 103 (Core Seminar)	1	MATH Elective	
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

*SUMMER: Praxis CORE Exam or Exempt with ACT or SAT Scores*

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	PSYC 220 Educational Psychology	3	English Requirement Writing	3
	English Requirement Writing	3	English Requirement Literature	3
	English Requirement Literature	3	English Requirement Writing	3
	GSCI 115 Integrated Science I (Core-Natural Science)	3	Core (Foundations & Integration-Ethics)	3
	EDUC 210 Educational Technology	3	Core (Global Perspectives)	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

### 4-Year Plan of Study Secondary Education Major with English Major (cont.)

Year 3	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
EDUC 310 Secondary English Methods	3	English Requirement Literature	3	
English Requirement Literature	3	Core (Philosophy/Theology)	3	
English Requirement Writing	3	EDUC 333C Exceptionality and Diversity in the Classroom	3	
EDUC 334 Reading in Content Areas	3	ENGL 215 Children's Literature	3	
EDUC 320 The Special Education Process	3	English Education Course	4	
English Requirement Literature	3			
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>16</b>	

#### YEAR 3: Praxis Content Knowledge Exam testing

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
English Requirement Writing	3	ENGL 487 Senior Thesis II	2	
English Requirement Literature	3	EDUC 475 Student Teaching Seminar	1	
ENGL 486 Senior Thesis I	1	EDUC 476 Evaluation	2	
EDUC 375 Special Projects	1	EDUC 473 WVTPA	1	
EDUC Student Teaching: Residency I	5	EDUC 375 Special Projects	2	
		EDUC Student Teaching: Residency II	6	
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>14</b>	

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores

Year three must complete Praxis II Content

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Also, prior to student teaching, students must pass the praxis content exams.

In order to obtain teacher certification, students must successfully complete all required national Praxis examinations through the Educational Testing Service (ETS).

Students who do not reach the 120 credit minimum using all required course credits must take electives to reach the 120 credit minimum.

## Secondary Education Major with General Science Major

**A total of 46 credits are required in Science**

BIOL XXX	Approved Electives	9 cr
CHEM 141	General Chemistry I	4 cr
CHEM 142	General Chemistry I Lab	1 cr
PHYS 141	College Physics	3 cr
PHYS 142	College Physics Lab	1 cr

General Science Core Electives  
 Courses in BIOL, CHEM, ENVS, EPSC, GSCI, GEOG and PHYS with 10-15 credits at the 200 level and the remaining credits at the 300 and 400 level 22-23 cr

Electives Course in a single discipline from approved General Science elective courses with 20-25 credits at the 300 level and the remaining credits at the 400 level 40-42 cr

## 4-Year Plan of Study Secondary Education Major with General Science Major

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	GSCI 115 Integrated Science I	3	EDUC 232 Classroom and Teacher Roles	3
	EDUC 231 Schools and Communities	3	PSYC 110 General Psychology (Foundations & Integration-Social Sciences)	3
	ENGL 110W (Core Effective Communication-Writing Sequence Part I)	3	MATH 115 Introduction to Statistics AND OR MATH 151 Pre-Calculus	3
	BIOL 130 Cells & Chromosomes	3	CHEM 141 General Chemistry	4
	PSYC 110 General Psychology (Foundations & Integration-Social Sciences)		CHEM 142 General Chemistry I Lab	1
	BIOL 140 The Methods of Biology Lab	1	GSCI 120 Integrated Science II	3
	Math 109 College Algebra and Problem Solving (Empirical Reasoning)	3		
	WJUS 103 (Core)	1		
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

*SUMMER: Praxis CORE Exam or Exempt with ACT or SAT Scores*

### 4-Year Plan of Study Secondary Education Major with General Science Major (cont.)

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	PSYC 220 Educational Psychology	3	Core (Effective Communication Effective Speaking)	3
	PHYS 141 College Physics I	3	PHYS 141 College Physics I	3
	PHYS 142 College Physics Lab I	1	PHYS 142 College Physics Lab I	1
	BIOL 150 Human Anatomy & Phys I	3	BIOL 152 Human Anatomy and Phys II	3
	BIOL 151 Anatomy Lab	1	BIOL 153 Human Anatomy and Phys II Lab	1
	BIOL 125 Form & Function of Biology	3	CHEM 151 General Chemistry II	3
	EDUC 210 Educational Technology	3	CHEM 152 General Chemistry Lab II	1
			PSYC 212 Developmental Psychology or PSYC 216 Adolescent Psychology	3
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>18</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EDUC 311 Curriculum Development & Methods: Secondary Mathematics & Science	3	EDUC 333C Exceptionality and Diversity in the Classroom	3
	EDUC 334 Reading in the Content Areas	3	BIOL 300 (Elective)	3
	EDUC 320 The Special Education Process	3	Core (Global Perspectives)	3
	PHYS 241 Physics II	3	CHEM 300 (Elective)	3
	PHYS 242 Physics Lab II	1	BIOL 400 (Elective)	3
	Core (Foundations & Integration – Humanities)	3	PHYS-107 Astronomy	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>

*YEAR 3: Praxis Content Knowledge Exam testing*



## 4-Year Plan of Study Secondary Education Major with General Science Major (cont.)

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EDUC 311 Curriculum Development & Methods: Secondary Mathematics & Science	3	EDUC 333C Exceptionality and Diversity in the Classroom	3
	EDUC 334 Reading in the Content Areas	3	BIOL 300 (Elective)	3
	EDUC 320 The Special Education Process	3	Core (Global Perspectives)	3
	PHYS 241 Physics II	3	CHEM 300 (Elective)	3
	PHYS 242 Physics Lab II	1	BIOL 400 (Elective)	3
	Core (Foundations & Integration – Humanities)	3	PHYS-107 Astronomy	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores

Year three must complete Praxis II Content

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Also, prior to student teaching, students must pass the praxis content exams.

In order to obtain teacher certification, students must successfully complete all required national Praxis examinations through the Educational Testing Service (ETS).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

**Secondary Education Major with Math Concentration:  
A total of 36 credits are required in Math**

MATH 109	College Algebra & Problem Solving
MATH 115	Introduction to Statistics
MATH 215	Scientific Statistics
MATH 250	Geometry
MATH 151	Pre-Calculus
MATH 191	Calculus I
MATH 192	Calculus II
MATH 212	Ordinary Differential Equations
MATH 235	Discrete Math
EDUC 313	Mathematics Education Residency I
EDUC 314	Mathematics Education Residency II

**4-Year Plan of Study Secondary Education Major with Math Concentration**

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	EDUC 231 Schools and Communities	2	EDUC 232 Classroom and Teacher Roles	3
	PSYC 110 General Psychology (Foundations & Integration-Social Sciences)	3	PSYC 212 Developmental Psychology or PSYCH 216 Adolescent Psychology	3
	ENGL 110W (Core Effective Communication- Writing Intensive Sequence Part I)	3	Core (Effective Communication- Writing Intensive Sequence Part II)	3
	MATH 109 College Algebra and Problem Solving(Core Empirical Reasoning)	3	MATH 250 Geometry	3
	MATH 115 Introduction to Statistics	3	MATH 151 Pre-Calculus	3
	WJUS 103 (Core Seminar)	1	Core (Effective Communication-Effective Speaking)	
	<b>Total</b>	15	<b>Total</b>	15

*SUMMER: Praxis CORE Exam or Exempt from Praxis with ACT or SAT scores*

**4-Year Plan of Study Secondary Education Major with Math Concentration  
(cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	PSYC 220 Educational Psychology	3	MATH 192 Calculus II	4
	Math 191 Calculus I	4	EDUC 333C Exceptionality & Diversity in the Classroom	3
	EDUC 210 Educational Technology	3	Core (Global Perspectives)	3
	EDUC 320 The Special Education Process	3	Core (Foundations & Integration-Humanities)	3
	EDUC 334 Reading in Content Areas	3	Elective	3
	<b>Total</b>	16	<b>Total</b>	16

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EDUC 313 Mathematics Education Residency I	4	EDUC 314 Mathematics Education Residency II	4
	EDUC 311 Curriculum Development & Methods:Secondary Mathematics and Science	3	Core (Foundations & Integration- Ethics)	3
	MATH 212 Ordinary Differential Equations	3	MATH 215 Scientific Statistics	3
	Core (Empirical Analysis-Natural Science)	3	Core (Global Perspectives)	3
	Elective	3	Elective	3
	<b>Total</b>	16	<b>Total</b>	16

## 4-Year Plan of Study Secondary Education Major with Math Concentration (cont.)

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
MATH 235 Discrete Mathematics	3	EDUC 473WVTPA	1	
Core (Global Perspectives)	3	EDUC 375 Special Projects	2	
EDUC 375 Special Projects	1	EDUC 475 Student Teaching Seminar	1	
EDUC Student Teaching: Residency I	5	EDUC 476 Evaluation	2	
Elective	3	EDUC Student Teaching: Residency II	6	
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>	

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores

Year three must complete Praxis II Content

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Prior to student teaching, students must pass the Praxis Content Exams.

In order to obtain teacher certification, students must successfully complete all required national Praxis Examinations through the Educational Testing Service (ETS).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

## **Secondary Education Major with Social Studies Concentration: 48 credits are required**

Rationale: The state of WV requires either a B.A. in history/social studies or a minimum of 48 credit hours in social studies course. Students will need knowledge of history, government/political science, geography, economics, and the behavioral sciences. The questions on the Praxis test are categorized as follows:

U.S. History: 26 questions; 20%

World History: 26 questions; 20% Government/Civics/Political Science: 26 questions; 20% Geography: 19 questions; 15% Economics: 20 questions; 5% Behavioral Science: 13 questions; 10%

### **Required Courses:**

#### **History [18 credits]**

HIST 110	World History I
HIST 115	World History II
HIST 211	History of the American People I
HIST 212	History of the American People II
HIST 214	History of Appalachia
HIST 351	Western Tradition I
or	
HIST 352	Western Tradition II

Government/Civics/Political Science [9 credits]  
[American Politics]

POSC 120	American Political Process
[Political Theory]	
POSC 211	Comparative Politics
[Comparative Politics]	
POSC 212	Global Politics

#### **Geography [6 credits]**

GEOG 101	Introduction to Geography
GEOG 121	World Geography

#### **Economics [6 credits]**

ECON 211	Macroeconomics: Social Science core
ECON 212	Microeconomics: Required for business major

#### **Behavioral Science [6 credits]**

SOCI 110	Introduction to Sociology
SOCI 121	World Community
PSYC 115	Statistics for Behavioral Science

## 4-Year Plan of Study Secondary Education with Social Studies Concentration

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	HIST 110 World History I	3	EDUC 232 Classroom and Teacher Roles	3
	EDUC 231 Schools and Communities	3	PSYC 212 Developmental Psychology or 216 Adolescent Psychology	3
	PSYC 110 General Psychology (Foundations & Integration- Social Sciences)	3	HIST 115 World History II	3
	POSC 120 American Political Process	3	Math 109 College Algebra and Problem Solving (Core Empirical Analysis – Mathematical Reasoning)	3
	GSCI 115 Integrated Science I (Core-Empirical Analysis-Natural Science)	3	EDUC 316 Education Grammar	
	WJUS 103 (Core Seminar)	1	SOCI 110 Introduction to Sociology	3
	<b>Total</b>	16	<b>Total</b>	15

*SUMMER: Praxis CORE Exam or Exempt with ACT=26 or SAT=1170*

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	HIST 211 American History I	3	EDUC 333C Exceptionality and Diversity in the Classroom	3
	HIST 214 History of Appalachia	3	GSCI 120 Integrated Science II (Core-Empirical Analysis-Natural Science)	3
	EDUC 320 The Special Education Process	3	POSC 212 Global Politics	3
	ECON 211 Macroeconomics	3	SOCI 121 World Community	3
	EDUC 210 Educational Technology	3	ECON 212 Microeconomics	3
	Any ENGLW Core (Effective Communication- Writing Intensive Sequence Part II)	3	HIST 212 American History II	3
	<b>Total</b>	18	<b>Total</b>	18

## 4-Year Plan of Study Secondary Education with Social Studies Concentration (cont.)

Year 3	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	EDUC 312 Curriculum Development & Methods: Secondary Social Studies	3	POSC 211 Comparative Politics	3
	HIST 115 World History II	3	GEOG 121 World Geography	3
	PSYC 115 Statistics for Behavioral Science	3	Core (Humanities)	3
	GEOG 101 Intro to Geography	3	Core (Effective Communication-Effective Speaking)	3
	EDUC 334 Reading in Content Areas	3	Social Studies Education Course	4
	<b>Total</b>	15	<b>Total</b>	16

*YEAR 3: Praxis Content Knowledge Exam testing*

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	HIST 351 Western Tradition I (HIST elective)	3	EDUC 475 Student-Teaching Seminar	1
	PSYC 220 Educational Psychology	3	EDUC 476 Evaluation	2
	Core (Foundations & Integration-Ethics)	3	EDUC 473 WVTPA	1
	EDUC 375 Special Projects	1	EDUC 375 Special Projects	2
	EDUC Student Teaching: Residency I	5	EDUC Student Teaching: Residency I	6
			HIST 352 Western Tradition II (HIST elective)	3
	<b>Total</b>	15	<b>Total</b>	12 or 15

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores.

Year three must complete Praxis II Content.

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Also, prior to student teaching, students must pass the praxis content exams.

In order to obtain teacher certification, students must successfully complete all required national Praxis examinations through the Educational Testing Service (ETS).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

## **SPECIAL EDUCATION (Multi-Categorical) Major**

### **Curriculum**

MATH 109	Algebra and Problem Solving (or higher)
PSYC 110	General Psychology
PSYC 212	Developmental Psychology
or	
PSYC 214	Child Psychology
or	
PSYC 216	Adolescent Psychology
or	
PSYC 220	Educational Psychology
EDUC 210	Educational Technology
EDUC 231	Schools and Communities -Class and Field
EDUC 232	Classroom and Teacher Roles -Class and Field
EDUC 316	Grammar
EDUC 320	The Special Education Process -Class and Field
EDUC 322	Literacy: Teaching Reading & Phonics in Elem. School –Class and Field
EDUC 325	Diagnosis and Correction: Mathematics –Class and Field
EDUC 333C	Exceptionalities & Diversity – Class
EDUC 333F	Exceptionalities & Diversity – Field
EDUC 350	Overview of Autism Spectrum Disorder –Class and Field
EDUC 375	Special Projects
EDUC 422	Special Education: Assessment and Methods I –Class and Field
EDUC 423	Special Education: Assessment & Methods II –Class and Field
EDUC 441	Diagnosis & Correction: Reading & Language Arts –Class and Field
EDUC 450	Curriculum Development and Methods for Special Education –Class and Field
EDUC 473	WVTPA
EDUC 475	Seminar
EDUC 476	Evaluation
EDUC XXX	Student Teaching: Residency I
EDUC XXX	Student Teaching Residency II

**Total Credits**

**74 cr**



## 4-Year Plan of Study Special Education (Multi-Categorical) Major

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
EDUC 231 Schools and Communities	3	EDUC 232 Classroom and Teacher Roles	3	
MATH 109 College Algebra and Problem Solving (Core Empirical Reasoning)	3	PSYC 212 Developmental Psychology	3	
ENGL 110W (Core Effective Communication-Writing Intensive Sequence Part I)	3	Core (Effective Communication- Writing Intensive Sequence Part II)	3	
PSYC 110 General Psychology (Foundations & Integration-Social Sciences)	3	Core (Global Perspectives)	3	
WJUS 103 (Core Seminar)	1	EDUC 316 Grammar	3	
GSCI Integrated Science I (Core-Empirical Analysis- Natural Science)	3			
<b>Total</b>	15	<b>Total</b>	15	

*SUMMER: Praxis CORE Exam or Exempt from Praxis with ACT or SAT scores*

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
EDUC 210 Educational Technology	3	Core (Effective Communication- Effective Speaking)	3	
PSYC 220 Educational Psychology	3	Core (Foundations & Integration-Humanities)	3	
EDUC 320 The Special Education Process	3	Core (Global Perspectives)	3	
MATH (Above MATH 109)	3	EDUC 333C Exceptionality & Diversity in the Classroom	3	
EDUC 334 Reading in Content Areas	3	EDUC 333F Exceptionality & Diversity in the Classroom Practicum	3	
<b>Total</b>	15	<b>Total</b>	15	

## 4-Year Plan of Study Special Education (Multi-Categorical) Major (cont.)

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EDUC 322 Teaching Reading & Phonics in the Elementary School	4	EDUC 325 Diagnosis and Correction: Mathematics	3
	EDUC 350 Overview of Autism Spectrum Disorders	3	EDUC 423 Special Education: Assessment & Methods II	3
	PSYC 216 Adolescent Psychology	3	EDUC 441 Diagnosis and Correction: Reading and Language Arts	2
	EDUC 422 Special Education: Assessment & Methods I - Class and Field	3	EDUC 450 Curriculum Development and Methods for Special Education – Class and Field	3
	Special Education Course	4	Special Education Course	4
			Elective	3
	<b>Total</b>	17	<b>Total</b>	18

### *YEAR 3: Praxis Content Knowledge Exam testing*

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	Core (Foundations & Integration-Ethics)	3	EDUC 473 WVTPA	1
	Elective EDUC 435 Curriculum Development & Methods: Autism Spectrum Disorder	3	EDUC 475 Student Teaching Seminar	1
	Elective PSYC 221 Applied Behavior Analysis	3	EDUC 476 Evaluation	2
	EDUC 375 Special Project	1	EDUC 375 Special Project	2
	EDUC Student Teaching Residency I	5	EDUC Student Teaching Residency II	6
	<b>Total</b>	15	<b>Total</b>	12

Year one must complete Praxis I-CORE tests or exempt with ACT or SAT scores

Year three must complete Praxis II Content.

Student must pass the Praxis Core Academic Skills for Educators Exams in order to be accepted into the Education Department. Additionally, students must possess and subsequently maintain a minimum grade-point average (GPA) of 2.5 overall. Once admitted to the Education Department, students must maintain an average of a 3.0 GPA in the major, as well as in Education and Psychology courses. Prior to student teaching, students must pass the Praxis Content Exams.

In order to obtain teacher certification, students must successfully complete all required national Praxis Examinations through the Educational Testing Service (ETS).

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

**Special Education (Multi-Categorical):  
(K-6 and 5-ADULT) Endorsement [30 credits total]**

**Education Program Certification Pathway Minors**

Teacher Education students may also complete coursework for an endorsement in Special Education if completing the Elementary Education or Secondary Education programs.

**Special Education (Multi-Categorical) (K-6 and 5-Adult): Certification Pathway**

**MATH 109 or higher	
*EDUC 320	The Special Education Process
**EDUC 322	Literacy: Teaching Reading & Phonetics in Elem School – Class and Field
**EDUC 325	Diagnosis and Correction – Mathematics – Class and Field
*EDUC 333C	Exceptionalities and Diversity
EDUC 333F	Exceptionalities and Diversity Field
*EDUC 334	Reading in Content Areas – Class and Field
EDUC 422	Special Education Assessment and Methods I
EDUC 450	Curriculum Development and Methods for Special Education – Class and Field
**EDUC 441	Diagnosis and Correction: Reading & Language Arts – Class and Field

Note: \*Courses completed within the Professional Education Core.

Note: \*\*Courses completed with Elementary Education Content Requirements.

**Education Program Non-Certification Pathway Minors**

Students majoring in disciplines other than EDUCATON may earn a minor in general education or special education by completing the following courses (18 credits)

**General Education Minor: NON-CERTIFICATION PATHWAY**

PSYC 220	Educational Psychology	3 cr
EDUC 210	Educational Technology	3 cr
EDUC 231	Schools and Communities	3 cr
EDUC 232	Classrooms and Teacher Roles	3 cr
EDUC 320	The Special Education Process	3 cr
EDUC 333C	Exceptionalities and Diversity	3 cr
EDUC 375	Special Projects	1-3 cr

**Multi-Categorical Special Education Minor: NON-CERTIFICATION PATHWAY**

PSYC 220	Educational Psychology	3 cr
EDUC 231	Schools and Communities	3 cr
EDUC 320	The Special Education Process	3 cr
EDUC 333C	Exceptionalities and Diversity	3 cr
EDUC 333F	Exceptionalities and Diversity Field	2 cr
EDUC 375	Special Projects	1-3 cr
EDUC 422	Special Education Assessment and Methods I	3 cr

## Education – Accelerated Certification for Teaching (ACT)

The Accelerated Certification for Teaching (ACT) program at Wheeling University provides an 18-month online pathway to teacher certification in Grades 5-Adult. The program is designed for those who currently serve as emergency, temporary, or substitute teachers and desire formal teaching credentials, those looking to transition into a second career and those desiring add-on endorsements and/or renewal credits.

Applicants must have a bachelor’s degree or higher to enroll and student teaching is required. Financial aid is available for those enrolled in at least six credit hours. Applicants must complete the Core Academic Skills for Educators exams or meet the exemption requirements for direct admission to the program. All students will receive and Academic Action Plan that allows for a personalized approach to completing state and university requirements for certification.

### Admission Requirements

- Completion Professional Studies application
- Must hold a Bachelor’s Degree from an accredited college or university preferably with a concentration in one of the secondary certification areas available in the ACT program.
- GPA 2.5 in transferred in coursework including concentration.

### Tuition and Fees

Tuition	\$400.00 per credit hour
Technology Fee	\$130.00 per semester
New Student Fee	\$130.00 first semester
Diocese of Wheeling Charleston (DWC)	\$300.00 per credit hour

### Course Requirements

All courses are offered in an online format with the exception of EDUC 481 (Student Teaching) and all Field courses (courses which end with an “F”). These courses will require activities in a school setting.

PSYCH 110	General Psychology	3 cr
PSYC 220	Educational Psychology	3 cr
EDUC 232	Classroom and Teacher Roles	3 cr
EDUC 232F	Classroom and Teacher Roles Lab	1 cr
PSYC 216	Adolescent Psychology	3 cr
EDUC 210	Educational Technology	3 cr

Select one of the following based on area of licensure:

- EDUC 310 Secondary English/Language Arts
- EDUC 311 Secondary Mathematics & Science
- EDUC 312 Secondary Social Studies

EDUC 320	The Special Education Process	3 cr
EDUC 333C	Exceptionalities and Diversity	3 cr
EDUC 334	Reading in Content Areas	3 cr
EDUC 334F	Reading in Content Areas Lab	1 cr
EDUC 473	Internship – Teacher Performance Assessment	1 cr
EDUC 476	Evaluation	2 cr
EDUC 475	Student Teaching Seminar	1 cr
EDUC 481	Student Teaching	3 cr

Note: Courses needed in area of specialization will be determined upon analysis of transcripts.

### Student Teaching

Student Teaching for all candidates is conducted five days per week during normal school ours during this final semester. The Professional Studies Education Program of Wheeling University functions under approval of the WV Department of Education. Credit Hours and requirements may be revised based on state requirements.

## Engineering Science (Bachelor of Science)

Wheeling University Engineering Science program offer students the best of two worlds: an applied Engineering track with a Technical Skills and Training emphasis to position students for the best job markets and a 3+2 track to top engineering graduate schools for further specialization. WU engineering students in both tracks fulfill industry expectations that engineers are professionally competent but also “live the WU mission” as professionals who are aware of the ethical dimension of their work and its impact on the quality of human life. Moreover, those aspiring to management positions will need to be articulate and precise in spoken and written communication. The combination of a strong scientific background with a liberal arts core gives Wheeling University students and graduates a competitive edge for career advancement. The engineering science major is structured around electrical, industrial, mechanical engineering disciplines as well as Project Management and AUTOCAD and 3-D printing technical skills. Students can also specialize in Construction Management, Geographic Information Systems, Information Technology Management and Internships through electives and certificates. The curriculum combines mathematics and sciences with fundamental engineering courses that stress analytical study with hands-on laboratory work. The curriculum is also designed to allow students to seek professional licensure while working as engineers or enter graduate study in a variety of engineering fields.

The engineering science program provides a rigorous and challenging curriculum which prepares students for successful careers in engineering. Within a few years of graduation our graduates are expected to be successful professionals in diverse engineering fields or engaged in graduate study; pursue lifelong learning; assume increasing levels of responsibility on technical or managerial projects within their work organizations; use their knowledge and skills in service to their professions and communities, drawing upon their Catholic educational experience to serve the needs of humankind.

Student outcomes are knowledge, skills, and/or behaviors that prepare students to attain the program educational objectives. By the time of graduation, our students will have demonstrated the following:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science and, mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well, as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Requirements

#### Core

33 cr

#### Major – Applied Engineering

82 cr

*CHEM 141/142	General Chemistry I and lab	4 cr
CHEM 151/152	General Chemistry II and Lab	4 cr
*MATH 191	Calculus I	4 cr
MATH 192	Calculus II	4 cr
MATH 193	Calculus III	4 cr
MATH 212	Ordinary Differential Equations	3 cr
MATH 215	Scientific Statistics	3 cr
PHYS 141/142	Physics I and Lab	4 cr
PHYS 241/242	Physics II and Lab	4 cr
ENGR 111	Fundamentals of Engineering	3 cr
ENGR 112	Foundations of Engineering	3 cr
ENGR 484	Engineering Capstone Project	3 cr

**Requirements (cont.)****Mechanical Engineering Discipline**

ENGR 243	Engineering Mechanics, Statics	3 cr
ENGR 244	Engineering Mechanics, Dynamics	3 cr
ENGR 245	Strength of Materials with Lab	4 cr
ENGR 346	Thermodynamics	3 cr
ENGR 347	Fluid Mechanics	3 cr
ENGR 448	Materials Science	3 cr

**Industrial Engineering Discipline**

ENGR 470	Advanced Economic Analysis	3 cr
ENGR 475	Project Management	3 cr
ENGR 476	Operations Management	3 cr

**Electrical Engineering Discipline**

ENGR 350	Electric Circuits and Systems I	4 cr
ENGR 352	Electric Circuits and Systems II	4 cr
ENGR 454	Control System Engineering	3 cr

**Technical Skills and Training Discipline**

Any combination of Construction Management (CMGT), Geographic Information Systems (GIST), Information Technology Management (INFO) and/or Internship courses (12 crs).

\*General Electives 1cr.

**Total****120 cr**

Note: \*ENGR students may double count CHEM 141/142 and MATH 191 in both the core and the major.

**Major – 3+2 Pathway to Engineering Graduate School 82 cr**

*CHEM 141/142	General Chemistry I and lab	4 cr
CHEM 151/152	General Chemistry II and Lab	4 cr
*MATH 191	Calculus I	4 cr
MATH 192	Calculus II	4 cr
MATH 193	Calculus III	4 cr
MATH 212	Ordinary Differential Equations	3 cr
MATH 215	Scientific Statistics	3 cr
PHYS 151/152	Physics I and Lab	5 cr
PHYS 251/252	Physics II and Lab	5 cr
ENGR 111	Fundamentals of Engineering	3 cr
ENGR 112	Foundations of Engineering	3 cr
ENGR 484	Engineering Capstone Project	3 cr
ENGR 243	Engineering Mechanics, Statics	3 cr
ENGR 244	Engineering Mechanics, Dynamics	3 cr
ENGR 245	Strength of Materials with Lab	4 cr
ENGR 346	Thermodynamics	3 cr
ENGR 347	Fluid Mechanics	3 cr
ENGR 448	Materials Science	3 cr
ENGR 448	Materials Science	3 cr

**Industrial Engineering Discipline**

ENGR 470	Advanced Economic Analysis	3 cr
ENGR 475	Project Management	3 cr
ENGR 476	Operations Management	3 cr

**Electrical Engineering Discipline**

ENGR 350	Electric Circuits and Systems I	4 cr
ENGR 352	Electric Circuits and Systems II	4 cr
ENGR 454	Control System Engineering	3 cr

\*General Electives 5 cr

**Total 90 cr**

Note: \*ENGR students may double count CHEM 141/142 and MATH 191 in both the core and the major.

**4-Year Plan of Study – Applied Engineering**

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements. This 4-year plan double counts CHEM 141/2 and MATH 191 and therefore requires 13 cr of general electives.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	MATH 191	4	MATH 192	4
	CHEM 141/142	4	CHEM 151/152	4
	ENGR 111	3	PHYS 141/142	4
	Core	3	ENGR 112	3
	WJUS 101	1		
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	MATH 193	4	MATH 212	3
	PHYS 241/242	4	ENGR 244	3
	ENGR 243	3	ENGR 245	4
	Core	3	Core	3
			Core	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

#### 4-Year Plan of Study – Applied Engineering (cont.)

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGR 350	4	MATH 212	3
	ENGR 346	3	ENGR 244	4
	Core	3	ENGR 245	3
	Core	3	Core	3
	Core	3	Technical Skills / Training	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGR 454	3	ENGR 448	3
	ENGR 470	3	ENGR 484	4
	ENGR 475	3	ENGR 476	3
	Technical Skills / Training	3	Technical Skills / Training	3
	Technical Skills / Training	3	General Elective	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

#### 4-Year Plan of Study – 3+2 Pathway

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements. This 4-year plan double counts CHEM 141/2 and MATH 191 and therefore requires 13 cr of general electives.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	MATH 191	4	MATH 192	4
	CHEM 141/142	4	CHEM 151/152	4
	ENGR 111	3	PHYS 151/152	5
	Core	3	ENGR 112	3
	WJUS 101	1		
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>



**4-Year Plan of Study – 3+2 Pathway (cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	MATH 193	4	MATH 212	3
	PHYS 251/252	5	ENGR 244	3
	ENGR 243	3	ENGR 245	4
	Core	3	Core	3
			Core	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGR 350	4	ENGR 347	3
	ENGR 346	3	ENGR 352	4
	Core	3	MATH 215	3
	Core	3	Core	3
	Core	3	General Elective	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGR 454	3	ENGR 448	3
	ENGR 470	3	ENGR 484	3
	ENGR 475	3	ENGR 476	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	1
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>

## **Construction Management Essentials [Professional Certificate] (15 credits)**

Prepares student in and out of the Construction Management industry for job opportunities as residential builders and contractors; trade contractors, in civil, mechanical, electrical engineering, and plumbing firms or other companies, government agencies, and organizations involved in the construction of the built environment. It also provides a pathway for completing a BS in Construction Management, BS in Engineering Science, BS in Business Administration, and in related career fields in the construction and management of the built environment.

### **Required Courses**

INFO 110	Introduction to Information Technology Systems and Professional Applications OR any approved INFO course	3 cr
CMGT 110	Introduction to Construction Management	3 cr
CMGT 210	Construction Materials and Methods	3 cr
CMGT 373/34	Internship: Applied Practice in Construction Management	3 cr
ENGR 475	Project Management	3cr

## **Geographic Information Systems [Professional Certificate] (15 credits) (Online)**

Students will learn how to create digital maps and analyze data using industry-standard GIS software and open source platforms, e.g., Esri ArcGIS and QGIS. Students will also learn how to think spatially, produce maps, conduct data analysis with GIS, and communicate effectively with cartography. They will also learn how to design, develop, and manage geospatial databases, including multi-user enterprise geodatabases. Overall, students will understand and be able to use advanced spatial analysis and data visualization methods and models used to solve real-world problems in multiple corporate, government, organizational and non-profit work settings.

### **Curriculum**

GEOG/GIST 110	Introduction to Geographic Information Systems (GIS)	3 cr
GEOG/GIST 120	GIS Databased and Enterprise GIS	3 cr
GEOG/GIST 210	Cartography	3 cr
GEOG/GIST 220	Intermediate Geographic Information Systems (GIS)	3 cr
GEOG/GIST 310	Advanced Geographic Information Systems (GIS)	3 cr

\*Suitable for any majors to couple through degree directed and/or free electives

## **Informational Technology Essentials [Professional Certificate] (15 credits)**

The certificate is designed to provide undergraduate students and those who have earned a bachelor's degree to gain the technical and management knowledge required for IT-connected careers and operations. The certificate allows students to augment and deepen the knowledge gained through their major-related courses with a foundation in information technology and its business and organization applications. By completing this certificate, students gain the necessary skills to improve their attractiveness to employers in our technology-driven society.

### **Required Courses (15 cr)**

INFO 110	Introduction to Information Technology Systems and Professional Applications	3 cr
INFO 210	Computing and Coding	3 cr
INFO 306	Networking and Network Security	3 cr
INFO 330	Database Design and Management	3 cr
INFO 420	Real World IT: Computer Systems/Cloud Computing Administration	3 cr
or		
INFO 435	Real World IT: Software Engineering	3 cr

### **Program Outcomes**

Students completing the program will gain:

- An ability to apply knowledge of computing and mathematics appropriate to Information Technology.
- An ability to communicate effectively with a range of audiences, both in written and oral forms.
- An ability to use current techniques, skills, and tools necessary for Information Technology.

## English (Bachelor of Arts)

As an integral part of the liberal arts tradition at the heart of the University, the curriculum of the major in English develops students' skills in effective reading, writing, listening and speaking through an emphasis upon the rich expressive and aesthetic potential of the English language.

English majors think critically, a skill valued by employers in all fields. Students will learn to analyze materials and situations and then communicate findings effectively, either verbally or in writing. The program in English is interconnected with course work in creative writing and communication studies. Majors will have the opportunity to learn and refine very specific skills, gain practical experience, and enhance their understanding of the applicability of their language and critical thinking skills in the "real" world beyond academics.

At Wheeling University, students will work towards defining literature for themselves in order to see reading as a vital activity that results in the enhancement of the human experience. The program is committed to diversity and inclusion and reinforces that commitment by helping students find their place within the larger community through texts that examine global values. Throughout the program, students will have the opportunity to hone their skills in the following areas: 1) critical thinking; 2) written communication; 3) oral communication; 4) information literacy; and 5) identification of literary elements, authors, and periods.

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### Requirements

<b>Major</b>		<b>36 cr</b>
<b>Writing</b>		<b>12 cr</b>
ENGL 250W	Foundations of Literature, Poetry, and Drama	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 286W	Life and Times of Famous Authors: Research Methods I	3 cr
ENGL 287W	Life and Times of Famous Authors: Research Methods II	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 280W	Creative Writing	3 cr
ENGL 281W	Fiction Writing Workshop	3 cr
ENGL 282W	Literary Nonfiction Writing Workshop	3 cr
ENGL 283W	Poetry Writing Workshop	3 cr
ENGL 486	Senior Literature Thesis I: Proposal and Research	1 cr
ENGL 487	Senior Literature Thesis II: Revision and Presentation	2 cr

**English (Bachelor of Arts) Requirements (cont.)**

<b>Literature</b>		<b>24 cr</b>
ENGL 150	Culture and Conflict	3 cr
ENGL 275W	Shakespeare	3 cr
ENGL 425	Literary Theory	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 215	Fairy Tale and Children’s Literature	3 cr
ENGL 216	Young Adult Literature	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 301W	British Literature I	3 cr
ENGL 302W	British Literature II	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 303W	American Literature I	3 cr
ENGL 304W	American Literature II	3 cr
<b>One of the following courses</b>		<b>3 cr</b>
ENGL 170	Introduction to World Myth and Folktale	3 cr
ENGL 270	Classical Myth	3 cr
ENGL 271	Norse Myth	3 cr
ENGL 305	World Literature	3 cr
One additional ENGL, ESLL or COMM course at the 200 level or above		3 cr

Students who do not reach the 120-credit minimum using all required course credits must take electives to reach the 120-credit minimum.

English majors seeking Teacher Education certification should begin major course work no later than Sophomore year in order to complete the coursework and student teach.

Credit for ENGL 250W may be granted for an AP score of 4 or higher on English Literature and Composition.

**4-Year Plan of Study**

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	ENGL 110 (Core)	3	ENGL 115W	3
	COMM 115 (Core)	3	ENGL 215/216	3
	ENGL 150	3	Core	3
	Core	3	Core	3
	Core	3	Elective	3
	WJUS 101	1		
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

**4-Year Plan of Study (cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGL 286/287W	3	ENGL 205/206	3
	ENGL 303/304	3	ENGL 275	3
	Core	3-4	Creative Writing Elective	3
	Core	3	Core	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGL 286/287	3	ENGL 270/271/305	3
	ENGL 301/302	3	Core	3
	Core	3	Elective	3
	Core	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	ENGL 425	3	ENGL 487	3
	ENGL 486	1	Electives	12
	Elective	12		
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

## Creative Writing Minor (18 Credits)

The Wheeling University Creative Writing Program fosters the creative process and provides students with a broad and diverse grounding in several of the genres of written expression: poetry, fiction, and literary nonfiction. Students majoring in a variety of disciplines may add the minor in creative writing to diversify their portfolios in preparation for graduate school, teaching, or other professional vocation. Creative writing minors will also have the opportunity to hone their expertise by working on the editorial staff of the *Jewelweed*, Wheeling University's annual fine arts magazine.

Course	CR
ENGL 280W Creative Writing	3 cr
ENGL 281W Fiction Writing Workshop	3 cr
ARTS 282W Literary Nonfiction Workshop	3 cr
ARTS 283W Poetry Workshop	3 cr
ENGL 484 Creative Writing Capstone Portfolio	3 cr
Take one of the following: ENGL 284W Nature Writing Workshop ENGL 285W Screenwriting Workshop ENGL 289W Digital Narrative	All 3 cr

## English Minor (18 credits)

The English minor provides students the opportunity to gain expertise in writing and giving formal presentations, as well as to enrich their cultural knowledge of classic and contemporary authors, literary texts, and film. Because employers in a wide range of fields actively seek graduates who are culturally literate and who can speak and write professionally, minoring in English is especially complementary to a variety of degrees, such as business, criminal justice, and psychology.

Course	CR
ENGL 110 Process of Composition	3 cr
ENGL Electives	15 cr

(Only one ENGL elective may be a creative writing course.)

## English as a Second Language Minor (15 credits)

The English as a Second Language Minor is designed to help all students to understand the processes involved in second language use and acquisition by adults and refugees in a world of broken borders. Intended for any undergraduate student dedicated to understanding how learning and using a second language impacts adults/refugees and the mentors/teachers or organization involved in resettlement. The ESL Minor provides a compassionate perspective and overview of the major language and cultural issues involved in studying of living in a new country.

Students will learn about the fundamentals of language theory, language acquisition, and language use which will integrate with social and cultural issues impacting language in real life situations. The minor in ESL is intended for students who wish to expand their knowledge of language structure and use. This program of study provides an excellent foundation in second language theory and application. To obtain the minor students take five courses (15 credit hours) with a minimum grade of C in each course.

Course	CR
ESLL 190 Foundations of ESL	3 cr
ESLL 191 Language Acquisition and Development	3 cr
ESLL 240 The Duolingo Impact	3 cr
ESLL 340 Sociolinguistics	3 cr
ESLL 341 Supporting Second Language Learners, Families and Communities	3 cr

## Spanish Minor/Certificate

Provides specialized language and literacy proficiency in Spanish suited for working professionals as well as students of Spanish heritage and culture. Students in the Spanish Minor/Certificate will develop in-depth content knowledge about Hispanic cultures, literatures, and linguistics. They will also gain advanced skills in the areas of intercultural competence, critical thinking, collaborative problem-solving, and language proficiency (speaking, listening, reading, and writing). The Spanish curriculum provides students with the valuable opportunity to develop a cross-culture perspective and proficiency through taking a wide variety of application courses in Spanish language, conversation, cultural and literary studies, linguistics, business, and health professions. Students also can engage in experiential learning opportunities through internship and study abroad courses placing them in Hispanic community and support service settings.

### Curriculum (18 credits)

Take any 6 courses from the following:

Course	CR
SPAN 101 Introduction to Spanish I	3 cr
SPAN 102 Introduction to Spanish II	3 cr
SPAN 161 Hispanic Civilization and Culture	3 cr
SPAN 203 Intermediate Spanish I	3 cr
SPAN 204 Intermediate Spanish II	3 cr
SPAN 221 Spanish for Medical Professional	3 cr
SPAN 224 Business Spanish	3 cr
SPAN 230 Spanish Conversation and Composition	3 cr



## Exercise Science (Bachelor of Science)

Exercise Science is the study of human movement in order to improve or maintain fitness, body composition, or the general health and well-being of the person. This is achieved through the development and implementation of healthy exercises, physical activities, and lifestyle management strategies for individuals of all ages. A primary goal of the Exercise Science degree program at WU is to develop professionals who are effective in helping all individuals achieve an optimal level of health, fitness, and well-being.

The WU program in Exercise Science prepares students for immediate entry-level positions within business and industry or in clinical settings. The degree also provides a secure foundation for advanced degrees and/or certifications in healthcare including, but not limited to, Physical Therapy, Athletic Training, and Physician Assistant professions.

The program enriches students in the Catholic tradition and mission of developing men and women for life, leadership, and service with and among others.

Upon completion of Exercise Science program, students will be able to demonstrate the ability to:

1. Understand the principles and concepts fundamental to Exercise Science
2. Apply lab techniques appropriate for an entry-level Exercise Science major
3. Display critical thinking and problem-solving skills
4. Be proficient in written and oral communication

### Requirements

<b>Core Curriculum</b>		<b>33-35 cr</b>
<b>Major</b>		<b>55 cr</b>
PSYC 110	General Psychology	3 cr
PSYC 250	Sport Psychology	3 cr
*MATH 115/PSYC 115	Statistics	3 cr
BIOL 101	Medical Terminology	2 cr
*BIOL 150/151	Human Anatomy & Physiology I and Lab	4 cr
BIOL 152	Human Anatomy & Physiology II	4 cr
CHEM 115	Introduction to Chemistry	3 cr
<b>OR</b>		
CHEM 141/142	General Chemistry I and Lab	4 cr
EXSC 120	Introduction to Exercise	2 cr
EXSC 212	Motor Development	3 cr
EXSC 222	Kinesiology	3 cr
EXSC 231	Emergency Care, First Aid/CPR	2 cr
EXSC 312/313	Exercise Physiology I with Lab	4 cr
EXSC 321	Principles of Strength and Conditioning	3 cr
EXSC 325	Sports Rehabilitation	2 cr
EXSC 330	Nutrition in Sports and Exercise	3 cr
EXSC 431	Cardiovascular Assessment and Cardiac Rehab	3 cr
EXSC 441	Exercise Prescription for Special Populations	3 cr
EXSC 451/452	Exercise Physiology II and Lab	4 cr
EXSC 461	Special Topics in Exercise Science	1-3 cr
EXSC 483	Exercise Science Practicum	3 cr
<b>Electives</b>		<b>23-28 cr</b>
<b>Total Credits</b>		<b>**120 cr</b>

Notes: \*EXSC majors may double count MATH 115 and BIOL 150 in the Core and the Major.

\*\*Students who do not reach the 120-cr. minimum using all required course credits must take electives to reach the 120-cr. minimum.

## Optional Preparation for Graduate Study (24 cr)

Students who wish to continue to into the Early Assurance Masters in Athletic Training (MAT) and/or Doctorate in Physical Therapy program(s) may wish to replace their electives with any or all of the following courses. It is the student's responsibility to check all Prerequisites for the MAT and DPT programs to which they apply as all programs will not have the exact same Prerequisites requirements.

### Prerequisite Courses for Application to Doctor of Physical Therapy (DPT) Program :

Students must complete the following courses:

Biology I with Lab

Biology II with Lab

Chemistry I with Lab

Chemistry II with Lab

Physics I with Lab

Physics II with Lab

Human Anatomy with Lab \*

Human Physiology with Lab \*

Statistics

Introduction to Psychology

\*Anatomy & Physiology I and II may substitute for these prerequisites.

### Prerequisite Courses for Application to Master of Science of Athletic Training (MAT) Program:

Students must complete the following courses:

Biology I with Lab

Chemistry I with Lab

Physics I with Lab

Human Anatomy with Lab \*

Human Physiology with Lab \*

Statistics

Introduction to Psychology

Exercise Physiology

\*Anatomy & Physiology I and II may substitute for these prerequisites

BIOL 125/140	Form & Function & lab	4 cr
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BIOL 130/135	Cells & Chromosomes & lab	4 cr
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CHEM 141/142	General Chemistry I & Lab	4 cr
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CHEM 151/152	General Chemistry II & lab	4 cr
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PHYS 141/142	College Physics I & lab	4 cr
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PHYS 241/242	College Physics II & lab	4 cr
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### Prerequisite Courses for application to MAT Program:

Students must complete one semester of the following courses:

Biology with lab

Chemistry with lab

Physics with lab

Human Anatomy with lab

Human Physiology with lab

Statistics

Introduction to Psychology

Exercise Physiology

Anatomy and Physiology 1 and 2 may substitute for these prerequisites.

## 4-Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements totaling a minimum of 120 credit hours.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	BIOL 150/151 Anatomy and Physiology I with Lab	4	BIOL 152/153 Anatomy and Physiology II with Lab	4
	PSYC 110 General Psychology	3	BIOL 101 Medical Terminology	2
	EXSC 120 Intro to Exercise Science	2	EXSC 212 Motor Development	3
	Core	3	Core	3
	WJUS 101 Core	1	Core	3
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15</b>

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	EXSC 222 Kinesiology	3	EXSC 231 Emergency Care, First Aid/CPR	2
	CHEM 115 Intro to General Organic Chemistry & Biochemistry	3	MATH 115 Intro to Statistics	3
	OR	OR	OR	OR
	CHEM 141/142 General Chemistry I with Lab	4	PSYC 115 Statistics for Behavioral Sciences	3
	PSYC 250 Sports Psychology	3	Core	3
	Core	3	Core	3
	Core	3	Elective (*CHEM 151/152 General Chemistry II with Lab)	3 - 4
	<b>Total</b>	<b>15 - 16</b>	<b>Total</b>	<b>14-15</b>

Year 3	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	EXSC 312/313 Exercise Physiology I with Lab	4	EXSC 451/452 Exercise Physiology II with Lab	4
	EXSC 325 Sports Rehabilitation	2	EXSC 321 Principles of Strength and Conditioning	3
	Core	3	EXSC 339 Nutrition and Human Performance	3
	Elective (*BIOL ***/140)	3-4	Core	3
	Elective	3	Elective (*BIOL ***/135)	3-4
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>16-17</b>

## 4-Year Plan of Study (cont.)

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	EXSC 431 Cardiovascular Assessment and Cardiac Rehabilitation	3	EXSC 461 Special Topics in Exercise Science	1
	EXSC 441 Exercise Prescriptions for Special Populations	3	EXSC 483 Exercise Science Practicum	3
	Core	3	Core	3
	Core	3	Elective (*PHYS 241/242) Physics II with Lab	3-4
	Elective (PHYS 142/142 Physics I with lab)	3-4	Elective	3
	<b>Total</b>	<b>15-18</b>	<b>Total</b>	<b>13-14</b>

Note: \*Students may double count MATH 115 and BIOL 150 in the Core and the Major.

\*\*\*Choose 1 lecture from the following and BIOL 140 Methods of Biology Research (Fall)/BIOL 135 General Biology II lab (Spring)

\*\*\* BIOL 120 Evolutionary and Ecological Biology

\*\*\* BIOL 125 The Form and Function of Biological Organisms

\*\*\*BIOL 130 Cells and Chromosomes

### Pre-Professional Athletic Training Track (3+2 program)

The Pre-Professional Athletic Training Track in the Exercise Science major is the pre-professional phase for the Master of Science of Athletic Training (MSAT) Program. During this 3-year track, students will engage in the university liberal arts “core” classes while also taking the necessary science and prerequisite courses needed to apply for the professional phase. These courses will also progress the undergraduate students toward a Bachelor of Science in Rehabilitative Science.

The Master of Science of Athletic Training (MSAT) Program is to provide a comprehensive education blending the foundational behaviors of professional practice, competency content areas, and clinical integration proficiencies through a learner-centered approach fostering confident, proficient, and competent Certified Athletic Trainers. Establishing a 3+2 program will allow students to complete undergraduate pre-requisite coursework on an accelerated track and progress toward the MSAT.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	ATHL 101 Personal Health	2	PSYC 110 General Psychology	3
	EXSC 120 Intro to Exercise Science	2	EXSC Motor Development	3
	BIOL 150/151 Anatomy and Physiology I with lab	4	BIOL 152/153 Anatomy and Physiology II with lab	4
	BIOL 101 Medical Terminology	2	Core	3
	ATHL 111 Intro to Athletic Training	3	Core	3
	Core	3		
	WJUS 101 Core	1		
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

**Pre-Professional Athletic Training Track (3+2 program) (cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EXSC 231/ATHL 231 Emergency Care/First Aid	3	ATHL 161 Survey in Athletic Training	3
	EXSC 222 Kinesiology	3	EXSC 451/451 Exercise Physiology II with Lab	4
	EXSC 312/213 Exercise Physiology I with Lab	4	PSYC 115 Statistics for Behavioral Sciences	3
	CHEM 141/142 Chemistry I with Lab	4	Core	3
	Core	3	Core	3
	<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	EXSC 431 Cardiovascular Assessment and Cardiac Rehabilitation	3	BIOL Elective with Lab	4
	EXSC 441 Exercise Prescription for Special Populations	3	EXSC 321 Principles of Strength and Conditioning	3
	PHYS 141/142 Physics I with Lab	4	PSYC 250 Sports Psychology	3
	Core	3	Core	3
	Core	3	Core	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

## General Science (Bachelor of Science)

This major prepares students to acquire a background in the natural and physical sciences to facilitate a variety of professional careers. In conjunction with the Teacher Education Program, the program offers training for a career in K-12 teaching.

### Requirements

<b>Core*</b>		<b>45-46 cr</b>
BIOL XXX	Approved Electives	9 cr
CHEM 141	General Chemistry I	4 cr
CHEM 142	General Chemistry I Lab	1 cr
PHYS 141	College Physics	3 cr
PHYS 142	College Physics Lab	1 cr
MATH 109	College Algebra and Problem Solving	3 cr
Or		
MATH 151	Pre-calculus	3 cr
Or		
MATH 191	Calculus	3 cr

### General Science Core Electives\*\*

Courses in BIOL, ENGR, ENVS, GEOG and PHYS with 10-15 credits at the 200 level and the remaining credits at the 300 and 400 level 22-23 cr

### Electives\*\*\*

Course in a single discipline from approved General Science elective courses with 20-25 credits at the 300 level and the remaining credits at the 400 level 40-42 cr

### Total credits

**120 cr**

Notes: \*Students should consult with an Education advisor, if pursuing a licensure.

\*\*Students should consult their Faculty Advisor to determine the appropriate electives.

\*\*\*Students pursuing an education licensure will have to take the necessary education courses instead of electives.

## Healthcare Leadership and Management (Bachelor of Science)

The Bachelor of Science in Healthcare Leadership and Management (BS in HCLM) program provides an innovative program for career-driven students interested in leading and managing hospitals, medical laboratories, clinical care facilities, physician and dental offices, medical and financial records units, biomedical, information technology, technical support operations and other healthcare administration fields. Offered online and in person, the program provides both the specific scientific and technical knowledge and best business practices approach needed to be successful in Health Sciences clinical and operational management. Executive leadership acumen, skills development and professional application training are also embedded in the program in a Certificate in Health Services Management, which is bundled with the BS HCLM or also available as a standalone professional credential. The BS HCLM also contains an abbreviated completion pathway into the MBA Degree: Healthcare Management Concentration.

### Program Learning Objectives/Outcomes:

1. Understand, exhibit, and apply ethical leadership approaches to business and clinical decision making in healthcare management.
2. Learn and apply scientific theories and principles, medical terminology, epidemiology, the structure and function of the human body as a critical dimension of healthcare organization and health services management.
3. Learn and interpret management theories and principles and applications in healthcare settings and organizations.
4. Manage administrative, clinical, and financial systems including appropriate leadership skills and behavior and quantitative and qualitative tools for project and fiscal management.
5. Understand and apply evidence-based valuations in relation to the major components of the U.S. healthcare delivery system and related organizations.
6. Understand the processes and forces involved in health policy making, governance, and legal regulation and evaluate current health policy.
7. Understand and evaluate how socio-cultural, economic, and political factors affect health conditions and trends in diverse populations
8. Learn to procure and analyze data to identify trends and model management solutions and systems that demonstrate the delivery of quality, safe, and effective healthcare.

### Program Assessment:

Student performance will be assessed through PEG rubrics, course competencies rubrics aligned with CAHME standards, research projects, experiential and professional practice and other course performance measures necessary to assess student achievement of program objectives and outcomes.

### Transfer Students: Liberal Arts Core for BS in HCLM Program

Every student admitted to the BS HLM program must complete or have transferred courses that meet the following University Core Curriculum requirements:

#### Requirements

<b>Core</b>	<b>31-33 cr.</b>
<b>Major Requirements</b>	<b>51 cr</b>
<b>Ethics in business &amp; healthcare decision-making</b>	<b>3 cr</b>
PHIL 115 Phil. of the Human Person	3 cr
or	
PHIL 305 Ethics	3 cr
<b>Financial analysis and management/ Operations assessment and improvement</b>	<b>3 cr</b>
BUSN 201 Quantitative Business Analysis	3 cr

## **Major Requirements Healthcare Leadership and Management (cont.)**

<b>Governance &amp; Health policy/Healthcare economics/Healthcare law</b>	<b>3 cr</b>
HCMT 200 Healthcare Policy, Law and Governance	3 cr
<b>or</b>	
ECON 211 Macroeconomics	3 cr
<b>Info systems management &amp; assessment</b>	<b>3 cr</b>
BUSN 331 Information Systems	
<b>or</b>	
BUSN 361 Sp T: Prctl Database Sql Management	3 cr
<b>Leadership</b>	<b>3 cr</b>
BUSN 325 Organizational Leadership	
<b>Management of healthcare organizations</b>	<b>6 cr</b>
HCMT 320 Management Techniques – Health Sciences	3 cr
<b>and</b>	
HCMT 410 Healthcare Services Management: Trends and Issues	3 cr
<b>or</b>	
BUSN 323 Digital Marketing	3 cr
<b>Management of human resources &amp; health professionals/ Org development/org behavior theory</b>	<b>3 cr</b>
BUSN 251 Organizational Behavior	3 cr
<b>or</b>	
BUSN 236 Human Resource Management	3 cr
<b>or</b>	
HCMT 410 Healthcare Services Management: Trends and Issues	3 cr
<b>Managerial Epidemiology/ Strategy formulation and implementation</b>	<b>6 cr</b>
BIOL 101 Medical Terminology	3 cr
<b>or</b>	
GSCI 215 Concepts of Microbiology & Epidemiology	3 cr
<b>and</b>	
HCMT 410 Healthcare Services Management: Trends and Issues	3 cr
<b>X Population/community health</b>	<b>6 cr</b>
BIOL 152 Human Anatomy & Physiology	3 cr
<b>and</b>	
NURS 201 Pathophysiology	3 cr
<b>or</b>	
NURS 235 Community and Public Health Nursing	3 cr
<b>or</b>	
HCMT 200 Introduction to Public Health	3 cr
<b>or</b>	
EXSC 120 Introduction to Exercise Science	3 cr
<b>or</b>	
EXSC 212 Motor Development	3 cr
<b>or</b>	
EDUC 223 Phys. Edu., Health & Safety	3 cr
<b>or</b>	
PSYC 161 Human Development & Family Studies	3 cr
<b>Quality assessment for patient care improvement</b>	<b>6 cr (2 two courses)</b>
PSYC 238 Psychopharmacology	3 cr
PSYC 335 Psychotherapy	3 cr
GSCI 215 Concepts of Microbiology & Epidemiology	2 cr
NURS 227 Clinical Nutrition	2 cr



<b>Research Methodology</b>		<b>3 cr</b>
HCMT 321	Introduction to Research in Health Care	3 cr
<b>or</b>		
HCMT 335	Literature Review and Proposal	3 cr
<b>Statistical Analysis &amp; Application to decision making</b>		<b>3 cr</b>
MATH 115	Intro. to Statistics	3 cr
<b>or</b>		
MATH 215	Scientific Statistics	3 cr
<b>or</b>		
PSYC 115	Statistics for the Behavioral Sciences (permission only)	3 cr
<b>US Healthcare System</b>		<b>3 cr</b>
HCMT 410	Healthcare Services Management: Trends and Issues	3 cr
<b>or</b>		
HCMT 425	Hospital Trends and Issues	3 cr
<b>or</b>		
HCMT 487	Healthcare Management Internship/Practicum	3 cr

### **Abbreviated Degree Completion Pathway: MBA Degree Concentration: Healthcare Management**

Students in the BS HCLM degree can take up to 6 graduate level courses in the MBA Healthcare Management concentration to complete their undergraduate degree and advance into an abbreviated pathway for MBA completion. Students in the MBA: HCM concentration further specialize in the business management of healthcare services, companies, hospitals, and other services/insurance provider organizations. This concentration is composed of MBA Core courses that provide students with graduate-level business management knowledge and skills, along with MSN Core courses, which focus broadly on health care management knowledge required to lead services-delivery units in healthcare organizations. The new concentration allows post-graduate Nursing professionals to capture an MBA as the MSN is increasing less preferred by hospitals and care provider organizations for achieving a higher level of management knowledge, skills and performance development especially related to multi-departmental and diversified employee-base administration.

Students may select any 6 credits to complete BS HCLM as well as MBA: HCM concentration degree:

MBA 500	Organizational Behavior and Leadership	3 cr
MBA 502	Marketing Management	3 cr
MBA 503	The Ethical Environment of Business	3 cr
MBA 505	Quantitative Business Analysis	3 cr
MBA 508	Management of Financial Resources	3 cr
MBA 520	Management Policy and Strategy for Decision Making	3 cr
MBA 531	Effective Managerial Communications	3 cr
MBA 539	Management of Information Systems	3 cr
MBA 547	Contemporary Economic Challenges	3 cr
MSN 503	Health Care Policy	3 cr
MSN 525	Health Care Delivery Systems & Economics	3 cr
MSN 533	Health Promotion	3 cr

## Liberal Arts (Bachelor of Arts)

The Bachelor of Liberal Arts degree provides students with general and multi-disciplinary knowledge, proficiency and skills related to a chosen field of study connected to careers related to the humanities and sciences, as well as to life-learning goals and to the advancement of cultural endeavors.

The Liberal Arts major consists of a minimum of 36 credits worked out in consultation with the director. As soon as students decide to enter the program, they should see the director to file a form that will stipulate the courses required for the 18-credit concentration and for the 12-credit selection of liberal arts courses.

1. Completion of the Core Curriculum of the University.
2. Completion of a concentration (minimum 18 credits) in a discipline of the student's choosing. (Any two courses in this concentration can be double-counted with the Core Curriculum). At least 9 credits must be at the 300 or 400 level.
3. Completion of four additional courses (12 credits) from the following humanities and social science disciplines. (These courses cannot be double-counted with the Core Curriculum and cannot come from the same discipline as the selected concentration.) Only one of these courses can be a one-hundred-level course: BIOL, CHEM, COMM, CRJU, ENGL, GEOG, HIST, PHIL, PHYS, POSC, PSYC, MATH, SOCI, THEO.
4. Completion of one additional 3-credit intensive-writing [W] course. (This course cannot be double-counted with the Core Curriculum).
5. Completion of the Liberal Arts Senior Seminar\* (3 credits).
6. Completion of additional elective credits sufficient to meet the 120-credit minimum graduation requirement of the University.

\*Assessment of the program will occur in the Senior Seminar and will consist of the University's Primary Education Goals (Critical Thinking, Effective Oral Communication; Effective Written Communication; Ethical Reasoning, Experiential Learning , and Mission), as well as the following Core Learning Objective: Global and Cultural Perspectives).

**Major Electives** 36 credits, of which a minimum of 18 hours must be WU courses to reach a total of 120 credits.

### Liberal Arts (Bachelor of Arts) 4-Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	Core	3	Core	3
	Core	3	Elective	3
	Elective	3	Plan Requirement	3
	Elective	3	Elective	3
	WUS 101 (Core)	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

**Liberal Arts (Bachelor of Arts) 4-Year Plan of Study (cont.)**

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	Course	3-4	Core	3
	Core	3	Elective	3
	Plan Requirement	3	Plan Requirement	3
	Plan Requirement	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	Core	3-4	Core	3
	Plan Requirement	3	Plan Requirement	3
	Plan Requirement	3	Plan Requirement	3
	Core	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
	Core	3	Plan Requirement	3
	Plan Requirement	3	Plan Requirement	3
	Plan Requirement	3	Plan Requirement	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

## **Nursing (Bachelor of Science)**

The Department of Nursing, an integral part of Wheeling University, seeks to fulfill the Catholic tradition of educational excellence and service to others. The mission of the Department of Nursing is to provide baccalaureate and graduate nursing education and service to the community. Through an integrated program of classroom and clinical practice, the graduate is prepared as a professional nurse to promote health/wellness in a variety of settings.

The goals of the Department of Nursing are to provide the following based on professional nursing standards and guidelines of the American Association of Colleges of Nursing (AACN) and the West Virginia Nurse Practice Act:

1. A baccalaureate program that prepares graduates to enter professional nursing practice and function competently at the entry level.
2. A baccalaureate program that is accessible to registered nurses in the community and builds upon their knowledge.
3. A graduate program that prepares registered nurses for professional leadership and advanced practice roles and to contribute to the development of nursing and health care knowledge.
4. To serve the campus community, the local community, and the nursing community.

The baccalaureate program reflects the AACN Essentials of Baccalaureate Education and the standards of the West Virginia Nurse Practice Act. These standards were developed from those of the American Nurses Association. The graduate programs reflect the AACN Essentials of Master's Education. The Family Nurse Practitioner Program also follows the National Organization of Nurse Practitioner guidelines and the American Academy of Nurse Practitioner's Standards of Practice.

Nurses are key to the health of a nation. Nurses are in every community providing expert care from birth to end of life. A registered nurse (RN) with a BSN prepares the graduate for many rewarding career opportunities. Numerous employers prefer applicants who have a 4-year BSN degree versus applicants with diplomas or associate degrees. Nurse's roles range from direct patient care and case management to establishing nursing practice standards, developing quality assurance policies and directing complex nursing care systems. Potential job opportunities upon graduation include: staff nurse, home health or hospice nurse, nurse manager, case manager, nurse researcher, information technologist, flight nurse, military nurse, public health nurse, legal consultant, insurance review, pharmaceutical sales, and nurse educator. The BSN degree also leads the way for a nurse to seek further education for a career in nursing administration or an Advanced Practice Specialist Role such as: nurse practitioner, nurse anesthetist, clinical nurse specialist or certified nurse midwife.

The Nursing faculty believe in preparing their graduates for the "real world". Based on this philosophy, clinical courses are designed to give the student practical experience in a variety of nursing settings. The faculty have expertise in the clinical setting where students practice, and many faculty members continue to practice in their specialties in addition to teaching in the classroom and clinical setting. Specific methods that prepare the nursing graduate to enter the work force and add marketability are: emphasis on the development of strong assessment skills; continual NCLEX review using computer-based software and testing; diverse clinical experiences in medical/surgical units, critical care units, emergency, obstetrics, pediatrics, school health, psychiatry, community health clinics, operating room, recovery room, and ambulatory care centers.

### **Outcomes of the Baccalaureate Curriculum**

The graduates of the BSN nursing program will be expected to:

1. Synthesize knowledge from the sciences and the humanities as a basis for theory and practice in nursing within an evidence-based practice framework.
2. Communicate both written and orally with patients and with members of the interprofessional team in the promotion of health/wellness.
3. Provide leadership for decision making related to safe, quality care following ethical principles.
4. Integrate information management and patient care technologies into the delivery of safe, quality care.
5. Synthesize altruism, autonomy, human dignity, integrity and social justice in nursing practice.
6. Achieve a passing score on the NCLEX exam upon completion of the program.

## Nursing (Bachelor of Science) (cont.)

### Nursing Curriculum:

Completion of the core curriculum must be done before entrance into the nursing program. Also, to be admitted into the nursing program, all pre-requisite classes that are listed below must be completed and the student must have achieved a “C” or better in each course:

NURS 227 Clinical Nutrition, CHEM 141 General Chemistry I and CHEM 142 General Chemistry I Lab, BIOL 150 Anatomy and Physiology I, BIOL 152 Anatomy and Physiology II, GSCI 215 Concepts of Epidemiology and Microbiology, MATH 115 Statistics or PSYC 115, PYSC 110 General Psychology, PSYC 212 Developmental Psychology, and PHIL 305 Ethics or THEO 305 Theological Ethics.

### Requirements

Core		33-35cr.
Major		87 cr
Total		120 cr
*CHEM 141/142	General Chemistry I/General Chemistry I Lab	3 cr
BIOL 150	Human Anatomy & Physiology I	3 cr
BIOL 152	Human Anatomy & Physiology II	3 cr
*MATH 115	Introduction to Statistics	3 cr
PSYC 110	General Psychology	3 cr
PSYC 212	Developmental Psychology	3 cr
GSCI 215	Concepts of Epidemiology and Microbiology	2 cr
NURS 201	Pathophysiology	2 cr
NURS 203	Health Assessment	2 cr
NURS 227	Clinical Nutrition	2 cr
NURS 230C	Fundamentals of Nursing clinical	2 cr
NURS 230D	Fundamentals of Nursing	3 cr
NURS 309C	Introduction into Nursing clinical	3 cr
NURS 309D	Introduction into Nursing	3 cr
NURS 319C	Maternal Health clinical	2 cr
NURS 319D	Maternal Health	3 cr
NURS 320C	Medical/Surgical Nursing I Clinical	2 cr
NURS 320D	Medical/Surgical Nursing I	3 cr
NURS 326C	Mental Health Nursing clinical	2 cr
NURS 326D	Mental Health Nursing	3 cr
NURS 327	Elements of Nursing Research	3 cr
NURS 329	Pharmacology	3 cr
NURS 405C	Medical/Surgical Nursing II Clinical	4 cr
NURS 405D	Medical/Surgical Nursing II	3 cr
NURS 406C	Pediatrics/Genetics Clinical	2 cr
NURS 406D	Pediatrics/Genetics	2 cr
NURS 422C	Critical Care Nursing Clinical	2 cr
NURS 422D	Critical Care Nursing	3 cr
NURS 423C	Leadership & Role Development/Precepting Clinical	4 cr
NURS 423D	Leadership & Role Development	2 cr
NURS 426	Nursing Trends and Issues	2 cr
NURS 480	NCLEX Prep I	2 cr
NURS 481	NCLEX Prep II	2 cr

Notes: \* Nursing majors may double count CHEM 141 AND MATH 115 in the core and in the major.

**Additional Notes:**

1. Nursing majors must provide their own transportation to clinical sites and are billed for liability insurance for clinical experiences.
2. Declared nursing majors must have the WU CORE requirements completed at the end of their sophomore year.
3. Completion of these CORE courses is a consideration for admission to the nursing program.
4. To enter the nursing program and progress to junior year nursing courses, the student must have:
  - a. an overall, cumulative GPA of 3.2 or higher.
  - b. completed and achieved a “C” or better in each of the prerequisite courses per the University grading scale: NURS 227, CHEM 141 & CHEM 142, BIOL 150, BIOL 152, GSCI 215. PSYC 110, PSYC 212, PHIL 305, and MATH 115 are also needed.
  - c. achieved a minimum score of 68% on the TEAS test.
  - d. completed a background check and drug screen with clean results
5. Nursing students must receive a grade of “C+” or higher, per the nursing department grading scale, in all nursing courses in order to progress.
6. Failure of any two nursing courses will result in dismissal from the program. Failure of a nursing course is when a grade of C (81%) or lower and/or F (Fail).
7. Nursing majors will receive a separate handbook which outlines specific policies for them, including the progression policies of the major. The Nursing faculty also reserves the right to exclude or remove from the clinical setting any student who, in the opinion of the instructor, has demonstrated behavior or attitudes incompatible with safe, ethical, or professional development and which, therefore, could jeopardize the welfare of patients.
8. Each clinical credit is equivalent to 2 hours a week of clinical experience.

**Accelerated BSN Track (Current Nursing Students)**

Current students pursuing a BSN may choose to accelerate their program and graduate semester early by taking senior year courses during the start of the spring, summer and fall semesters.

**Accelerated BA/BS to BSN (Second Degree Nursing)**

The Accelerated BA/BS to BSN program at Wheeling University provides a pathway for individuals who are looking to make a career change into the field of nursing. The program is structured to allow those who currently hold a bachelor’s degree in another major to complete Wheeling University’s nursing curriculum without repeating general education requirements. Students complete the Second-Degree nursing curriculum in 4 semesters.

**Admission Requirements:**

To be admitted to the accelerated BA/BS to BSN nursing program, the student must have:

1. a diploma from an accredited college/university with an overall, cumulative GPA of 3.0 or higher completed and achieved a “C” or better in each prerequisite science course: chemistry, anatomy and Physiology, microbiology/epidemiology, general psychology, developmental psychology, and statistics.
2. achieved a minimum score of 68% on the TEAS test.
3. completed an online application.

**Tuition and Fees:**

Tuition \$9,000 per semester (4 semesters). Graduation fee: \$265. ATI testing and malpractice insurance fees should be obtained from the nursing department and added to the program cost. ATI testing is billed once each semester.

**4-Year Plan of Study**

This plan is an overview of the recommended course sequence to earn this degree in 4 years (traditional students) or accelerated (BA/BS to BSN). To graduate, all students must fulfill the core, major, and elective (if applicable) requirements.

**Nursing (Bachelor of Science) 4-Year Plan of Study (cont.)**

<b>Freshman Year Traditional Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
WJUS 101	1	BIOL 152 Anatomy & Physiology II	3
BIOL 150 Anatomy & Physiology I	3	GSCI 215 Intro to Epidemiology and Microbiology	2
BIOL 151 Anatomy & Physiology I Lab	1	PSYC 212 Developmental Psychology	3
PSYC 110 General Psychology	3	Core	3
Core	3	Core	3
Core	3		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

<b>Sophomore Year Traditional Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
MATH 115 or PSYC 115 Statistics	3	NURS 201 Pathophysiology	2
CHEM 141 Chemistry	3	NURS 203 Health Assessment	2
CHEM 142 Chemistry Lab	1	NURS 227 Clinical Nutrition	2
PHIL 305 or THEO 305 Ethics	3	BIOL 101 Medical Terminology (elective)	2
Core	3	Core	3
Core/Elective	2	Core/Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

<b>Junior Year Traditional Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 329 Pharmacology I	2	NURS 326D Mental Health Nursing	3
NURS 335 Community and Public Health	2	NURS 326C Mental Health Nursing Clinical	2
NURS 230D Fundamentals	3	NURS 319D Maternal Health	3
NURS 230C Fundamentals Clinical	2	NURS 319C Maternal Health Clinical	2
NURS 309D Intro to Nursing	3	NURS 320D Medical/Surgical Nursing	3
NURS 309C Intro to Nursing Clinical	3	NURS 320C Medical/Surgical Nursing Clinical	2
		NURS 330 Pharmacology II	2
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>17</b>

<b>Senior Year Traditional Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 327 Elements of Nursing Research/EBP	3	NURS 422D Critical Care Nursing	3
NURS 405D Med/Surg II	3	NURS 422C Critical Care Nursing	2
NURS 405C Med/Surg II Clinical	4	NURS 423D Leadership and Role Development	2
NURS 406D Pediatrics/Genetics	2	NURS 423C Leadership and Role Development / Precepting	4
NURS 406C Pediatrics/Genetics Clinical	2	NURS 481 NCLEX Prep II	2
NURS 480 NCLEX Prep I	2	NURS 426 Nursing Trends and Issues	2
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

<b>Junior Year - Fall Start</b>			
<b>Accelerated Nursing Track and Accelerated BA/BS to BSN Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 201 Pathophysiology	2	NURS 326D Mental Health	3
NURS 203 Health Assessment	2	NURS 326C Mental Health Clinical	2
NURS 329 Pharmacology	2	NURS 319D Maternal Health	3
NURS 230D Fundamentals of Nursing	3	NURS 319C Maternal Health Clinical	2
NURS 230C Fundamentals of Nursing - Clinical	2	NURS 320D Med/Surg Nursing	3
NURS 309D Intro to Nursing	3	NURS 320C Med/Surg Nursing Clinical	2
NURS 309C Intro to Nursing Clinical	3	NURS 330 Pharmacology II	2
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

<b>Senior Year</b>			
<b>Accelerated Nursing Track and Accelerated BA/BS to BSN Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 327 Elements of Nursing Research/EBP	3	NURS 422D Critical Care Nursing	3
NURS 405D Med/Surg II	3	NURS 422C Critical Care Nursing	2
NURS 405C Med/Surg II Clinical	4	NURS 423D Leadership and Role Development	2
NURS 406D Pediatrics/Genetics	2	NURS 423C Leadership and Role Development/Precepting	4
NURS 406C Pediatrics/Genetics Clinical	2	NURS 481 NCLEX Prep II	2
NURS 480 NCLEX Prep I	2	NURS 426 Nursing Trends and Issues	2
		NURS 335 Community and Public Health	2
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>



<b>Junior Year - Spring Start</b>			
<b>Accelerated Nursing Track and Accelerated BA/BS to BSN Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 201 Pathophysiology	2	NURS 327 Research/EBP	3
NURS 203 Health Assessment	2	NURS 335 Community and Public Health	2
NURS 329 Pharmacology I	2	NURS 319D Maternity/Woman's Health	3
NURS 230D Fundamentals	3	NURS 319C Maternity/Woman's Health	2
NURS 230C Fundamentals Clinical	2	NURS 320D Med/Surg Nursing	3
NURS 309D Intro to Nursing	3	NURS 320C Med/Surg Clinical	2
NURS 309C Intro to Nursing Clinical	3	NURS 330 Pharmacology II	2
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

<b>Senior Year</b>			
<b>Accelerated Nursing Track and Accelerated BA/BS to BSN Students</b>			
<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
NURS 480 NCLEX Prep I	2	NURS 422D Critical Care Nursing	3
NURS 405D Med/Surg II	3	NURS 422C Critical Care Clinical	2
NURS 405C Med/Surg Clinical	4	NURS 423D Leadership	2
NURS 406D Pediatrics	2	NURS 423C Leadership/Precepting	4
NURS 406C Pediatrics	2	NURS 481 NCLEX Prep II	2
NURS 326 Mental Health	3	NURS 426 Nursing Trends and Issues	2
NURS 326C Mental Health Clinical	2		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>

### **RN to BSN/MSN (Online)**

Wheeling University's online RN-BSN/MSN degree program is accredited by CCNE and designed for the professional Registered Nurse. The program provides an integrated curriculum of liberal arts and nursing courses to meet the needs of Registered Nurses who graduated from diploma or associate degree programs. The online program enables students to complete their degree while maintain work and family responsibilities. The program can be completed in 3 semesters (providing pre-requisites are met). Clinical requirements can be met in your local community.

Communication, critical thinking and leadership skills are essential components of WU's RN-BSN program. These skills are required to move into higher paying jobs with more responsibility. The American Association of the Colleges of Nursing (AACN) has collected extensive research that indicates higher nursing education makes a major difference in clinical outcomes. Having a bachelor's degree is essential to be admitted to graduate nursing programs.

## RN to BSN/MSN (Online) (cont.)

An RN student may take designated graduate nursing courses to fulfill requirements in the RN-BSN program. Upon completion, the student will not only have attained a BSN degree, but also will have fulfilled the foundation courses for the MSN program at Wheeling University and may then choose a specific track within the MSN degree program.

### Eligibility and Admission Requirements:

Students who have completed either an associate degree in nursing or a diploma in nursing are eligible for this program (LPN grads are not eligible).

1. Complete a free application online at <https://wheeling.edu/admissions/apply-for-admission/>
2. Provide a copy of a valid registered nursing license.
3. Request official transcripts from all nursing programs, colleges or universities you have attended and have them sent electronically to the admissions office at Wheeling University.
4. Complete a background check.

Note: A stop-out at the completion of the BSN degree must be completed first before advancing to the MSN degree. To be eligible for the Master of Science in Nursing program, students must have a 3.0 undergraduate cumulative GPA (GRE may be required for students who do not meet the GPA requirements). Applicants must submit 2 letters of recommendation to the program. Applicants must also submit an essay that: 1. indicates which MSN track you intend to pursue (Family Nurse Practitioner or Nursing Administration), 2. identifies your career goals and decision to seek graduate education, and 3. describes your personal attributes that will contribute to your success as a master's prepared nurse.

### Tuition and Fees:

Tuition (undergraduate courses)	\$400 per credit hour
Tuition (graduate courses)	\$550 per credit hour
Technology fee	\$130 per semester
New Student fee	\$130 first non-summer term
ID card	\$35 first semester only
Graduation fee	\$265 per occurrence

## Plan of Study

### RN-BSN Curriculum (24cr.)

NURS 361	Concepts of Nursing Practice	3 cr.	Fall
NURS 328	Evidence Based Nursing Research and Informatics	3 cr.	Fall
NURS 435	Nursing in Chronic Care	4 cr.	Fall
NURS 445	Population Health Nursing	2 cr.	Spring
NURS 455*	Nursing in Healthcare Systems	2 cr.	Spring
NURS 460	Comprehensive Assessment	3 cr.	Spring
NURS 440*	Health Promotion and Disease Prevention	2 cr.	Summer
NURS 503	Health Care Policy	3	Summer
NURS 450	Nursing Leadership and Management	2 cr.	Summer

\*optional: MSN 525 Health Care Delivery Systems and Economics instead of NURS 455, MSN 533 Health Care Promotion instead of NURS 440. MSN 525 and MSN 533 count toward the MSN degree.

**Plan of Study: RN-BSN (cont.)**

**Liberal Arts Core (35cr.). These credits may be transferred from a previous college/university.**

<b>WU Core</b>	<b>Credits</b>
ENGL 110	3 cr
ENGL 115	3 cr
PHIL 305	3 cr
MATH 115	3 cr
HIST/Literature	3 cr
PSYC 110	3 cr
PSYC 212	3 cr
Global Perspectives	3 cr
*NURS 280 Chemistry	3 cr
*NURS 282 Anatomy	3 cr
*NURS Physiology	3 cr
*NURS 284 Epidemiology and Microbiology	2 cr

\*Courses that may be challenged.

**These course credits are awarded based on prior RN training program (60cr. awarded)**

NURS 201 Pathophysiology	2 cr
NURS 203 Health Assessment	2 cr
NURS 227 Nutrition	2 cr
NURS 230C Fundamentals of Nursing clinical	2 cr
NURS 230D Fundamentals of Nursing	3 cr
NURS 309C Introduction into Nursing clinical	3 cr
NURS 309D Introduction into Nursing	3 cr
NURS 319C Maternal Care/Gender clinical	2 cr
NURS 319D Maternal Care/Gender	3 cr
NURS 320C Medical/Surgical Nursing I clinical	2 cr
NURS 320D Medical/Surgical Nursing I	3 cr
NURS 326C Mental Health Nursing clinical	2 cr
NURS 326D Mental Health Nursing	3 cr
NURS 329 Pharmacology I	2 cr
NURS 330 Pharmacology II	2 cr
NURS 405C Medical/Surgical Nursing II Clinical	4 cr
NURS 405D Medical/Surgical Nursing II	3 cr
NURS 406C Pediatrics/Genetics Clinical	2 cr
NURS 406D Pediatrics/Genetics	2 cr
NURS 422C Critical Care Nursing Clinical	2 cr
NURS 422D Critical Care Nursing	3 cr
NURS 423C Leadership & Role Development/Precepting Clinical	4 cr
NURS 423D Leadership & Role Development/Precepting	2 cr

**RN-BSN Degree Completion Requirement Overview:**

RN-Prior Training Courses Awarded	60 cr.
Liberal Arts Core/Transferred credits	36 cr.
RN-BSN Curriculum	24 cr.
<b>Total credits for Degree completion</b>	<b>120 cr.</b>

## Health Services Management [Professional Certificate]

Prepares any potential student/major that wants to pursue a career path in Health Services Management, e.g., hospitals, clinics, medical services, insurance companies, etc., either as part or separately from the completion of their specific degree plan. The program is also intended to provide a baseline of industry knowledge in Health Services along with basic management skills transferable into any corporate/non-profit organizational setting.

Required Courses		12 cr
BUSN 211	Principles of Management	3 cr
HCMT 320	Management Techniques – Health Sciences	3 cr.
BUSN 325	Organizational Behavior and Leadership	3 cr
HCMT410	Health Services Management Trends and Issues	3 cr.

## Nursing Management [Professional Certificate]

Prepares nurses to pursue a career in a managerial position in hospitals, clinics, healthcare organizations, health insurance companies, and other health services operations and agencies. The certificate focuses on basic health care management knowledge required to lead nursing and health services units in healthcare organizations. The certificate can be completed separately or as part of a Nursing degree program.

Required Courses		13 cr
HCMT 320	Management Techniques – Health Sciences	3 cr
BUSN 325	Organizational Behavior	3 cr
NURS 440	Clinical Practicum	2 cr
NURS 455	Complex Care II	2 cr
MSN 503	Health Care Policy*	3 cr

\*Gateway to BSN if take whole certificate and/or MSN with MSN 503 only

## Nutrition (Minor)

The minor program in human nutrition focuses on the science behind food and nutrition. Courses necessary to complete the minor will focus on major themes such as the interactions between food and energy, food and disease, assessment of nutritional principles and status within a population and nutritional needs at various stages in the lifespan. The minor has the intentions to complement any major to provide an advantage to the student in terms of career opportunities.

Required Courses		18 credits
NUTR 101	Scientific Foundations of Nutrition	2 cr
NURS 227	Clinical Nutrition	2 cr
EXSC 330	Nutrition in Sports and Exercise	3 cr
NUTR 201	Community Nutrition	3 cr
NUTR 301	Nutrition Throughout Life Span	3 cr
NUTR 401	Nutrition and Illness	3 cr
BIOL 472	Internship	2 cr

## Psychology (Bachelor of Science)

The goals of the Psychology Department are to provide a strong curriculum that helps students learn the most current and empirically sound principles of behavior; to equip students for success in a variety of graduate programs and employment settings; to offer opportunities for experience in human service, research, and other psychology-related internships; and to help students realize the many ways through which Psychology can address human social/ethical concerns. This is accomplished through the curriculum, the directed research and/or internship programs, the honor society and student club, and through informal mentoring by the faculty (both within the department and in the University at large). All of efforts are grounded in the Catholic tradition of the pursuit of excellence in the context of service with and among others.

### Requirements

**Core Curriculum** **33-35 cr**

<b>Psychology Core</b>		<b>46 cr</b>
PSYC 110	General Psychology	3 cr
*PSYC 115	Statistics for the Behavioral Sciences	3 cr
PSYC 211	Experimental Psychology	4 cr
PSYC 420	History and Systems of Psychology	4 cr
PSYC 381	Junior Seminar	1 cr
PSYC 481	Senior Seminar	1 cr
*PSYC Electives (8 courses)		24 cr
*PSYC Electives Lab (2 courses)		2 cr
**Any BIOL human biology course		3 cr

**Electives** **42-44 cr**

**Total credits** **120 cr\*\*\***

Notes:

\*Majors are required to take two PSYC elective courses with labs.

\*\*PSYC majors may double count PSYC 115 and BIOL elective in the Core and the Major.

\*\*\* Students who do not reach the 120 cr minimum using all required course credits must take electives to reach the 120 cr minimum

### 4-Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

Year 1	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	PSYC 110	3	PSYC 115	3
	Core	3	PSYC Elective	3
	Core	3	PSYC Elective	3
	Elective	3	Core	3
	WJUS 101	1	Core	3
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15</b>

#### 4-Year Plan of Study (cont.)

Year 2	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	PSYC 211	4	PSYC Elective	3
	PSYC Elective	3	PSYC Elective	3
	BIOL Elective (Human Biology)	3	Core	3
	Core	3	Core	3
	Core	3	Elective	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Year 3	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	PSYC Elective + Lab	4	PSYC 388	1
	PSYC Elective	3	PSYC 420	4
	Core	3	Core	3
	Elective	3	Elective	3
	Elective	2	Elective	4
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Year 4	<u>FALL</u>		<u>SPRING</u>	
	Course	CR	Course	CR
	PSYC Elective + Lab	4	PSYC Elective 3	3
	PSYC 488	1	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

#### Psychology Minor (18 credits)

PSYC 110	General Psychology	3 cr
PSYC XXX	Psychology Electives	15 cr

## **Behavioral Health and Counseling [Professional Certificate] (15 credits)**

Behavioral Health and Counseling Psychology Certificate program will be offered for students interested in a future career in behavioral health, counseling, or clinical psychology. The certificate program will provide students with an opportunity to enhance understanding of behavioral health, counseling, and clinical psychology. In addition, students of the certificate program are able to receive practical training in assessment, diagnostic procedures, treatments, and ethical understanding in the field by completing a 3-credit internship at a practicum site.

The undergraduate certificate in Behavioral Health and Counseling Psychology is designed to provide students with a pathway for pursuing clinical or counseling psychology to gain a better understanding of the whole person. This certificate aids those interested in pursuing a major or minor in psychology by providing foundational knowledge and competency in behavioral health with applications through experiential learning.

### **Curriculum**

PSYC 335 Psychotherapy	3 cr
PSYC 340 Abnormal Psychology	3 cr
PSYC 373 Internship	3 cr

Two of the following courses:

PSYC 152 Human Development and Family Studies	3 cr
PSYC 221 Applied Behavior Analysis	3 cr
PSYC 222 Child Psychology	3 cr
PSYC 238 Psychopharmacology	3 cr
PSYC 330 Personality	3 cr

## Sport Management (Bachelor of Science)

The sport management program is designed to prepare students for careers in the sport business industry, collegiate athletics, recreational sport, and non-profit leisure and recreation organizations. The program provides courses, such as sport marketing, sport law, sport facility and event management, and sport ethics, which will help in the student's preparation for the successful application of the principles in the sport business upon graduation.

The sport management curriculum is designed to enable students to acquire and demonstrate a set of management skills and an understanding of sport industry issues through a combination of required business core courses, sport management-specific courses, and experiential components. This program follows the Commission on Sport Management Accreditation (COSMA) criteria for possible accreditation in the near future. Students must receive a grade of C or above in all major area classes. In addition, all students are required to complete an internship experience, which gives students the opportunity to apply theoretical concepts taught in the classroom while gaining practical experience with current professionals in the field of sport management. While taking the three-credit-hour course, students are required to 120 hours of field experience.

### Requirements

<b>Core</b>		<b>31-33 credits</b>
<b>Major</b>		<b>51 credits</b>
<b>Sport Management Requirements</b>		<b>39 credits</b>
SPMT 220	Sport Management	3 cr
SPMT 225*	Sociology of Sports	3 cr
SPMT 250	Sport Sales Management	3 cr
SPMT 255	Sport Media and Content Production	3 cr
SPMT 320	Sport Ethics	3 cr
SPMT 325	Sport Finance	3 cr
SPMT 340	Sport Marketing	3 cr
SPMT 345	Economics and Governance of Sport	3 cr
SPMT 401	Sport Facility and Event Management	3 cr
SPMT 402	Sport Law	3 cr
SPMT 410	Senior Seminar for Sport Management	3 cr
SPMT 471	Internship in Sport Management	3 cr
SPMT 480	Sport Sponsorship and Sales	3 cr
<b>Business Requirements</b>		<b>12 cr</b>
ACCT 201	Principles of Accounting I	3 cr
ACCT 202	Principles of Accounting II	3 cr
BUSN 115*	Business Statistics	3 cr
ECON 211	Macroeconomics	3 cr
<b>Total Credits</b>		<b>120 credits***</b>

\*Sport Management students may double count BUSN 115 Business Statistics and SPMT 225 Sociology of Sports in the Core and the Major.

\*\*\*Students who do not reach the 120-credit minimum using all required course credits must take electives to reach 120 credits minimum.



#### 4-Year Plan of Study

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	ACCT 201 Principles of Accounting I	3	ACCT 202 Principles of Accounting II	3
	Core	3	Core	3
	Core	3	BUSN 115 Business Statistics	3
	SPMT 220 Sport Management	3	SPMT 225 Sociology of Sports Arts	3
	WUS 101 Experience, Service, Reflection Seminar	1	Core	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>17</b>

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	SPMT 250 Sport Sales Management	3	SPMT 320 Sport Ethics	3
	ECON 211 Macroeconomics	3	Core	3
	Core	3	SPMT 325 Sport Finance	3
	SPMT 255 Sport Media and Content Production	3	Core	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	SPMT 401 Sport Facility and Event Management	3	SPMT 345 Economics and Governance of Sport	3
	SPMT 402 Sport Law	3	SPMT 340 Sport Marketing	3
	Core	3	Core	3
	Core	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	SPMT 410 Senior Seminar for Sport Management	3	SPMT 480 Sport Sponsorship and Sales	3
	Elective	3	SPMT 471 Internship in Sport Management	3
	Core	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

## Theology (Bachelor of Arts)

A Theology major provides students with an opportunity to explore the nature of faith, reason, tradition, religious experience, literature, ethical inquiry, and the relationship between religion and culture while developing skills in critical analysis, communication, and leadership. This program also provides an integrative perspective that allows students to examine fundamental questions of value, meaning, and identity. In addition to entering professional ministry and education, graduates of the Theology program find careers in social work, counseling, coaching, law, and diverse other ways of contributing to the common good, a foundational concern of Theology.

### Requirements

**Core Curriculum**  
**Theology Major**

**33-36 cr**  
**44-46 cr**

#### Theology Core

THEO 115	The Religious Quest	3 cr
THEO 117	Catholicism	3 cr
THEO 241	Catholic Social Thought	3 cr
THEO 236	The Church	3 cr
Or		
THEO 252	World Religions	3 cr
PHIL 305	Ethics	3 cr
Or		
THEO 305	Theological Ethics*	3 cr
At 400 level:	Capstone	3 cr
Or		
THEO 480	Pastoral Practicum**	3 cr
THEO 115	The Religious Quest	3 cr
THEO 117	Catholicism	3 cr
THEO 241	Catholic Social Thought	3 cr
THEO 236	The Church	3 cr
Or		
THEO 252	World Religions	3 cr
PHIL 305	Ethics	3 cr
Or		
THEO 305	Theological Ethics*	3 cr
At 400 level:	Capstone	3 cr
Or		
THEO 480	Pastoral Practicum**	3 cr
THEO 115	The Religious Quest	3 cr
THEO 117	Catholicism	3 cr
THEO 241	Catholic Social Thought	3 cr
THEO 236	The Church	3 cr
Or		
THEO 252	World Religions	3 cr
PHIL 305	Ethics	3 cr
Or		
THEO 305	Theological Ethics*	3 cr
At 400 level:	Capstone	3 cr
Or		
THEO 480	Pastoral Practicum**	3 cr

**Theology Required Course Electives:**

At the 200-400 level:

At least 36 elective courses with at least 9 cr at the 400 level

\*Students must take THEO 305 to satisfy Pastoral Ministry Concentration and/or Certificate in Pastoral Ministry.

\*\*Arranged through WU and can be repeated up to 6 cr.

**Total Credits****120 cr+**

+Students who do not reach the 120-cr. minimum using all required course credits must take free electives to reach the 120-cr. minimum.

**4-Year Plan of Study**

This plan is an overview of the recommended course sequence to earn this degree in 4 years. To graduate all students must fulfill the core, major, and elective requirements.

<b>Year 1</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	Core	3	Core	3
	Core	3	Elective	3
	Plan Requirement (THEO 115/117)	3	Plan Requirement (THEO 115/117)	3
	Elective	3	Elective	3
	Elective (optional)	3	Elective	3
	WUS 101 (Core)	1		
	<b>Total</b>	<b>13-16</b>	<b>Total</b>	<b>15</b>

<b>Year 2</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	Core	3-4	Core	3
	Plan Requirement (THEO 241)	3	Core	3
	Plan Requirement (THEO 236/252)	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	3
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

<b>Year 3</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	Core	3-4	Core	3
	Plan Requirement (PHIL 305/THEO 305*)	3	Plan Elective	3
	Plan Elective	3	Plan Elective	3
	Core	3	Plan Elective	3
	Plan Elective	3	Plan Elective	3
	<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

<b>Year 4</b>	<b><u>FALL</u></b>		<b><u>SPRING</u></b>	
	<b>Course</b>	<b>Credits</b>	<b>Course</b>	<b>Credits</b>
	Core	3	Plan Requirement (THEO 480**)	3
	Plan Elective	3	Plan or Free Elective	3
	Plan Elective	3	Plan or Free Elective	3
	Plan or Free Elective	3	Plan or Free Elective	3
	Plan or Free Elective	3	Elective	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

### **Pastoral Ministry [Professional Certificate] [Concentration]**

The Pastoral Ministry program is designed to prepare students for work in various church-related religious ministry, social service, administration fields, and pastoral care programs. The pastoral ministry concentration and/or certificate is 18 credits, and can be achieved in, or separately from the Theology major. The program is also aligned with the United States Conference of Catholic Bishops (USCCB) and the professional knowledge and praxis requirements issued by its Secretariat of Catholic Education Subcommittee of Certification for Ecclesial Ministry and Service. Students pursuing Pastoral Ministry certification will think critically and engage directly in the practical application of theology and religious studies in service and justice to the common good through organizations and society at large. The program culminates in the pastoral practicum designed to give the students direct experience in pastoral work and to provide opportunities for critical reflection on their work. These praxis takes place at churches, schools, faith-based service organizations, human service agencies, and social justice organizations. Working in collaboration with their instructors, students tailor the Pastoral Ministry practicum to apply to their own interests and professional goals.

All Concentration/Certificate students will take the following required 3 cr. courses for a total of minimum of 18 cr:

THEO 115	The Religious Quest	3 cr
THEO 117	Catholicism	3 cr
THEO 241	Catholic Social Thought	3 cr
THEO 236	The Church	3 cr
THEO 305	Theological Ethics*	3 cr
THEO 483	Pastoral Practicum	3 cr

# Course Descriptions

## Typical Course Distribution

The course listings offer an idea of how courses might be distributed over four years. The key is as follows:

CTAH	Indicated with* to satisfy Critical Thinking Arts & Humanities Core Requirement
CTSS	Indicated with* to satisfy Critical Thinking Social Sciences Core Requirement
ENMR	Indicated with* to satisfy Empirical Analysis-Mathematical Reasoning Core Requirement
EANS	Indicated with* to satisfy Empirical Analysis-Natural Science Core Requirement
EC	Indicated with* to satisfy Effective Communication Core Requirement
EPRT	Indicated with* to satisfy ePortfolio Core Requirement
EXSL	Indicated with* to satisfy Experiential Learning Core Requirement
GLCP	Indicated with* to satisfy Global and Cultural Perspectives Core Requirement
MSSN	Indicated with* to satisfy Mission Core Requirement
PTER	Indicated with* to satisfy Philosophy Theology Ethical Reasoning Core Requirement

Since exceptions and variations are likely to occur, some rearrangement is inevitable, and WU reserves the right to make changes. In many major concentrations, it is advisable to begin the major in the first-year; such is not possible, however, when the major has prerequisites in the core curriculum. While the normal student course-load is five courses each semester, some programs may require additional credits in a semester from time to time, especially in certain majors.

### **ACCT 201 Principles of Accounting I (3 cr)**

This course introduces students to basic financial accounting theory and practice. Areas covered include the accounting cycle, measuring business income, cash, receivables, inventory, investments, long-term assets, liabilities, and stockholders' equity.

### **ACCT 202 Principles of Accounting II (3 cr)**

This course introduces students to management accounting concepts for decision-making. The course is concerned with examining and applying methods for analyzing and accumulating data to provide information to managers. The emphasis is on identifying what information is needed, designing systems to get the required information, and using the information to make decisions. Prerequisite: ACCT 201

### **ACCT 311 Intermediate Accounting I (3 cr)**

This is the foundational course for financial accounting and reporting. It is the first of two intermediate accounting courses that covers accounting theory and principles for defining, measuring, and reporting financial information. This course emphasizes assets. It includes discussions of the conceptual framework, regulatory environment, and ethical issues. Provides an opportunity to understand the challenges and limitations of generally accepted accounting standards. Considers alternative practices often suggested for use but not generally accepted. Co-requisite: ACCT 202.

### **ACCT 312 Intermediate Accounting II (3 cr)**

This is the second of two intermediate accounting courses. It continues the coverage of the content and presentation of corporate financial statements. Emphasis in this course is on liabilities and equity. It also covers earnings per share. Topics covered are relatively more complex and more detailed. Prerequisite: ACCT 311.

### **ACCT 321 Accounting Information Systems (3 cr)**

This course is a practicum in commercial accounting systems. Students will perform general ledger, accounts payable, accounts receivable, billing, purchase order, inventory, payroll and job costing functions using a commercial software package. The software will be used to design specialized reports for budgeting, financial analysis, product costing and for analyzing cost management techniques. Another package designed specifically for activity-based costing will be used to learn how this method of managing overhead can enhance a business's performance. Student learning will be developed and measured through computer intense projects, class discussion, library and field research. Systems theory and information technology topics are also discussed. Prerequisite: ACCT 202.

**ACCT 331 Individual Tax Accounting (3 cr)**

This course addresses taxation of individual income. Basic tax concepts are examined along with tax rules and regulations. Tax preparation and tax research software are used extensively. Prerequisite: ACCT 311.

**ACCT 332 Corporate Tax Accounting (3 cr)**

This course is designed to teach students to recognize major tax issues inherent in business and financial transactions. Federal taxation acquaints the student with the social and economic policy implications of the Tax Code. The course focuses on fundamental tax concepts, the mastery of which will enable students to incorporate tax factors into business and investment decisions. ACCT 311.

**ACCT 341 Managerial Cost Accounting (3 cr)**

A critical analysis of cost concepts as they relate to the administrative process. Includes the presentation of case studies and the use of electronic spreadsheets. Prerequisite: ACCT 311.

**ACCT 401 Advanced Accounting Practice (3 cr)**

An advanced study in the theory and related problems applicable to specialized topics in advanced financial accounting. Topics include: partnerships, business combinations, installment sales, consignments, foreign operations and estates and trusts. Prerequisite: ACCT 311.

**ACCT 403 Accounting for Government and Not-for-Profit Organizations (3 cr)**

Deals with financial accounting and reporting for federal, state and local governments and for medical, educational, religious, human services, charitable and other non-business organizations. Topics include: fund accounting; financial reporting and budgetary control for not-for-profit organizations; program-planning-budgeting systems; and governmental and institutional auditing. Prerequisite: ACCT 311.

**ACCT 406 Auditing Theory and Practice (3 cr)**

Examination of the philosophy, concepts and techniques pertaining to the auditing process. Prerequisite: ACCT 311. \*MSSN.

**ACCT 473/74 Internship in Accounting (1, 2 or 3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. Cross-listed with BUSN 473/474. \*EPRT. \*EXSL. May repeat up to 6 cr.

**ATHL 101 Personal Health (3 cr)**

A study of the practical application of health principles concerning personal and community health and wellness. Topics include health promotion, Healthy People 2010/2020/2030, as well as current topics of concern for personal and community health. Students will discuss different views of professionals in the health field and form opinions based on evidence collected.

**ATHL 111 Introduction to Athletic Training (3 cr)**

This course is designed to introduce students to the profession of Athletic Training. Throughout this course, students will learn the history of the profession, information on epidemiology of athletic injuries, pre-participation physical exams, strength training/conditioning, pharmacology, environmental conditions, protective devices, emergency care, and nutrition. After completing this course, students should have a basic knowledge of the profession of Athletic Training. \*EPRT.

**ATHL 222 Musculoskeletal Anatomy / ATHL 161 Survey in Athletic Training (3 cr)**

The purpose of this course is to strengthen students' knowledge with general musculoskeletal anatomy with heavy focus on the upper and lower extremities. It will focus on origin, insertion, and nerve innervations of key muscles that promote movement as well as bony landmarks with regards to the skeletal system. Students should gain a very thorough foundation of the muscles of the human body that provide movement to the physically active person. Prerequisites: ATHL 111. ATHL 161 Survey in Athletic Training is \*EPRT.

**BIOL 101 Medical Terminology (2 cr)**

This course introduces the vocabulary, abbreviations, and symbols used in the language of medicine. Emphasis placed on building medical terms using prefixes, suffixes, and word roots. Upon completion, students should be able to pronounce, spell, and define accepted medical terms.

**BIOL 115 The Process of Biology (3 cr)**

An introduction to biology as a way of knowing and communicating about living systems. The themes are how living systems process energy and information, ecologically relate to their environments and evolve over time. The goal of this course is for the student to gain an increased level of proficiency in scientific literacy; including theory application, evaluating evidence and manipulating concepts. \*EANS.

**BIOL 120 Evolutionary and Ecological Biology: The Dynamic Environment (3 cr)**

An exploration of how living things relate to each other in both space (ecology) and time (evolution). Included is an overview of the history and diversity of life on earth, an examination of representatives of various taxonomic groups as well as a study of taxonomy itself. \*EANS.

**BIOL 125 The Form & Function of Biological Organisms (3 cr)**

An overview of the anatomy and physiology of plants and animals, with an emphasis on human structures. The interrelationships of the hierarchical levels of biological organization will be discussed. BIOL 125 and 130 are required for Biology majors, and may be completed in any order. \*EANS.

**BIOL 130 Cells and Chromosomes (3 cr)**

An exploration of variations on the themes of biology at the cellular level, including subcellular architecture and ultrastructure; metabolism; molecular biology; cell signaling; cellular reproduction; and an introduction into the concepts of genetics and development. Since this course will involve the examination of living systems at the molecular level, this course should only be taken after students have had at least one semester of college-level chemistry. BIOL 125 and 130 are required for Biology majors, and may be completed in any order. Prerequisites: CHEM 141 and 142. Recommended: Successful completion of college-level chemistry coursework. \*EANS.

**BIOL 135 General Biology II Laboratory (1 cr)**

Topics include numerous dissections, taxonomic identifications, a systematic survey of the five kingdoms and ecological studies. Required for the biology major. This lab can be taken in conjunction with BIOL 125 or BIOL 130.

**BIOL 140 The Methods of Biology Lab (1 cr)**

The lab is designed to provide intensive training in laboratory techniques that are involved in cell biology. Laboratory exercises include microscopy, genetics, enzymology, biological chemistry and animal behavior. Students will also gain experience in developing critical thinking skills, scientific writing, computer applications and statistical analysis of data. Required for the biology major. This lab can be in conjunction with BIOL 125 or BIOL 130.

**BIOL 150 Human Anatomy and Physiology I (3 cr)**

The first course in a two-course sequence that examines the anatomy and physiology of the human body. This course begins with the study of the levels of structural organization and proceeds with an in-depth study of the integumentary, musculoskeletal, nervous and endocrine systems. \*EANS

**BIOL 151 Human Anatomy and Physiology I Lab (1 cr)**

This lab features dissection of the organ systems of the cat, with supporting dissections of some other animal organs, including the heart, brain and kidney. Structures of the organs and systems will be correlated with human structures. Corequisite: BIOL 150.

**BIOL 152 Human Anatomy and Physiology II (3 cr)**

This is the second course in a two-course sequence that examines the anatomy and physiology of the human body. This course provides an in-depth study of the cardiovascular, respiratory, lymphatic, immune, digestive, urinary and reproductive systems. Prerequisite: BIOL 150.\*EANS

**BIOL 153 Human Anatomy and Physiology II Lab (1 cr)**

This lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include cardiovascular, respirator, digestive, immune, urinary, and reproductive. Corequisite: BIO 152.

**BIOL 162 Forensic Biology (3 cr)**

This course covers different disciplines in forensic science including crime scene investigation, fingerprints, trace evidence, weapons and drugs. Emphasis is placed on the theory and practice techniques of biological principles applied to forensic science, including sample recovery and handling, analytics techniques, DNA profile comparison, quality control, and quality assurance.\*EANS

**BIOL 184 Biology Cornerstone Seminar (1 cr)**

Designed for students new to the Biology major, this is a seminar course that will discuss various professional skills needed to succeed in the major. Topics will include introduction to scientific literature, writing of scientific papers, discussions of career options, and expectations for biology majors. Prerequisite: Student must be a biology major with freshman standing or have permission of instructor.\*EANS

**BIOL 210 Genetics (3 cr)**

A thorough familiarization with the principles of classical genetics of representative organisms in all kingdoms, with special emphasis on humans. The function of genes in developmental systems is emphasized. Special topics include consideration of ethical issues. Prerequisites: Successful completion of mathematics core course and BIOL130.\*EANS

**BIOL 211 Genetics Laboratory (1 cr)**

A hands-on, practical series of experiments and computer simulations in the analysis of heredity. Corequisite: BIOL 210.

**BIOL 215 Ecology (3 cr)**

Ecology is an introduction to biological organization at the population, community, and ecosystem level. This course explores the interrelatedness of the biological, chemical, and physical world. Topics include experimental design, mathematical modeling, climate, water balance, energy flow, nutrient cycling, adaptation, community succession, and symbiosis. Prerequisites: BIOL 125 and BIOL 130.\*EANS

**BIOL 216 Ecology Laboratory (1 cr)**

Ecology Laboratory involves the practice of designing field experiments for measuring plant and animal communities. In this course students will compile databases, conduct statistical analyses, and present the results of field experiments in both written and oral formats. Field trips and field work are required. Corequisite: BIOL 215.

**BIOL 217 Medical Mycology (3 cr)**

Survey of infectious diseases caused by fungi including their etiology, epidemiology, histopathology, diagnosis and treatment. Host-parasite interactions and the environmental and molecular factors that contribute the establishment of fungal disease and humans and animals. Prerequisites: BIOL 125, BIOL130, BIOL 135, and BIOL 140.\*EANS

**BIOL 218 Pathophysiology (3 cr)**

An introduction to the basic concepts of pathophysiology. Students examine the phenomena that produce alterations in human physiologic function and the resulting human response. Upon completion of this course, students will understand pathophysiological changes, including how pathological processes are manifested, progress in the body, and primary and secondary effects. Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140.\*EANS

**BIOL 222 Histology (3 cr)**

The course will involve a study of general tissue characteristics and will explore histologically and ultra-structurally the different types of tissues as well as the various organ systems including cardiovascular, lymphatic, integumentary (skin), digestive, respiratory, urinary, endocrine, male and female reproductive, and special senses (eye and ear.) While the course's emphasis will be a study of the appearance of normal cells and tissues, selected abnormal/diseased tissues will be examined as well (e.g., bone osteoporosis, heart myocardial infarctions, neurological diseases, etc.) and functional correlations will be made. Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140.\*EANS

**BIOL 223 Histology Lab (3 cr)**

The course will involve a study of general tissue characteristics and will explore histologically and ultra-structurally the different types of tissues as well as the various organ systems including cardiovascular, lymphatic, integumentary (skin), digestive, respiratory, urinary, endocrine, male and female reproductive, and special senses (eye and ear.) The student will be responsible for the preparation of tissue slides and analyzing the prepared slides in the lab. The lab is integrated with the lecture. Corequisite: BIOL 222.



**BIOL 240 Cellular and Molecular Biology (3 cr)**

A detailed exploration of the physical and chemical processes and the ultrastructure underlying the functional activities of cells; aspects of molecular biology, immunology, programmed cell death, signaling systems and gene regulation in prokaryotes and eukaryotes Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140. \*MSSN. \*EPRT.\*EANS

**BIOL 241 Cellular and Molecular Biology Laboratory (1 cr)**

Extensive use of basic and advanced instrumentation and the development of laboratory skills in the physiological and biochemical study of the activities of cells and organelles. Topics include subcellular fractionation, techniques used in cell and tissue culture research, and the isolation, purification and characterization of biological macromolecules. Special emphasis is placed on the evaluation and interpretation of lab data, correlation with library research and presentation of data in a scientific report format. Corequisite: BIOL 240. \*MSSN. \*EPRT.

**BIOL 312 Immunology (3 cr)**

Fundamentals of immunology at the cellular and molecular level. Topics include development of the immune system, cell mediated and humoral immunity, vaccination, and diseases and disorders of the immune system. Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140.\*EANS

**BIOL 317 Human Physiology (3 cr)**

Concepts of human physiology that focus on the regulation of homeostatic mechanisms by the neural, endocrine, cardiovascular, respiratory, and renal system. Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140.\*EANS

**BIOL 320 Comparative Vertebrate Anatomy (3 cr)**

An in-depth study of the comparative anatomy and systematic physiology of the vertebrate organisms, with emphasis on evolutionary relatedness. Prerequisites: BIOL 120, BIOL 125, and BIOL 130.\*EANS

**BIOL 321 Comparative Vertebrate Anatomy Laboratory (1 cr)**

Experimental, observational and comparative studies of the structure and function of organ systems in vertebrates. Corequisite: BIOL 320.

**BIOL 322 Introduction to Human Gross Anatomy (3 cr)**

Overview of human structure, using a regional approach to examine the functional anatomy of the muscular, skeletal, nervous, and visceral systems. Prerequisites: BIOL 125, BIOL 130, BIOL 135, and BIOL 140. \*MSSN. \*EPRT.\*EANS

**BIOL 323 Introduction to Human Gross Anatomy Lab (2 cr)**

The gross anatomy lab course provides an in-depth study of the human body using virtual cadaveric dissection. Additional emphasis is placed on radiographic anatomy. Corequisite: BIOL 322. \*MSSN. \*EPRT.

**BIOL 330 Developmental Biology (3 cr)**

A detailed study of the mechanisms of development, from gametogenesis through organogenesis, with particular emphasis on gene action, induction, cell movements, adhesion and pattern development. Special topics include regeneration and cancer. Prerequisite: Any 300-level biology course.\*EANS

**BIOL 331 Developmental Biology Laboratory (1 cr)**

Experimental study and embryology of the principles of development in selected invertebrates, amphibians, avians, and mammals. Corequisite: BIOL 330.

**BIOL 375 Student Research (1 cr)**

Independent student research. Students will design and perform a research project with the consent and guidance of a faculty mentor. Prerequisite: Junior standing. Note: A research project manual describing the requirements for this project series will be distributed. The student will be expected to acknowledge and agree to the guidelines as delineated. \*EANS

**BIOL 376 Student Research (1 cr)**

Independent student research. Students will design and perform a research project with the consent and guidance of a faculty mentor. This course may be taken as a continuation from the previous semester or may be limited to only the Spring semester. Prerequisite: Junior standing. Note: A research project manual describing the requirements for this project series will be distributed. The student will be expected to acknowledge and agree to the guidelines as delineated.

**BIOL 401 Animal Behavior (3 cr)**

An evolutionary approach to the study of animal behavior. The course will address the adaptive significance of animal behavior focusing on how and why various behaviors have developed. Prerequisites: BIOL 125, BIOL130, BIOL 135, and BIOL 140.\*EANS

**BIOL 402 Animal Behavior Laboratory (1 cr)**

A study of animal behavior in the laboratory and field. This course will provide students with hands-on experience in studying animal behavior from a nonanthropomorphic point of view. The course will include field trips, laboratory studies, and a personal research project. Regular laboratory reports will be required. Corequisite: BIOL 401.

**BIOL 414 Biochemistry (3 cr)**

An intermediate-level course in the description of macromolecular structure and function. Topics include an in- depth study of the four classes of Biological macromolecules, enzyme kinetics and metabolic pathways. Emphasis is placed on metabolic processes, their regulation and integration in living systems. Prerequisite: BIOL 120, BIOL 125, BIOL 130, and CHEM 231. \*EANS

**BIOL 420 Toxicology (3 cr)**

General principles of toxicology, including dose-response mechanisms, metabolism, distribution and the elimination of toxicants. Emphasis is placed upon various mechanisms of toxicity in a diverse representation of chemical substances, carcinogens, mutagens and teratogens. Prerequisite: BIOL 240. \*EANS

**BIOL 434 Invertebrate Zoology (3 cr)**

Invertebrates compose the vast majority of the animal kingdom. Students will acquire a fluency in speech and writing for the major facts and concepts of the science of invertebrate zoology and will appreciate the diversity of animal life, its underlying unity, and the difficulty of discerning the evolutionary history and phylogenetic relationships of the animal kingdom. Prerequisites: BIOL 125, BIOL130, BIOL 135, and BIOL 140.\*EANS

**BIOL 436 Physiological Ecology (3 cr)**

The application of ecological principles to problem solving at the organismal, population and ecosystem levels. Emphasis is placed on human interactions. Topics include organismal responses to stressors, human population dynamics, ecosystem responses to disturbances and global environmental change. Prerequisites: BIOL 215 and CHEM 221.\*EANS

**BIOL 437 Physiological Ecology Laboratory (1 cr)**

Field and laboratory training in the measurements of the chemical, physical and biological attributes of ecosystems. The ecosystems studied include forests, streams, lakes, wetlands and macrocosm ecosystems. One weekend field trip is required in addition to regularly scheduled outings. Students are also required to design and conduct an individual research project. Prerequisites: BIOL 215 and BIOL 216. Corequisite: BIOL 436.

**BIOL 440 Microbiology (3 cr)**

The focus of this course is the classification and major characteristics of bacteria, viruses and microscopic eukaryotes. Emphasis will be placed upon microbes that are responsible for infectious diseases in humans. Topics include microbial metabolism and genetics, basic concepts of epidemiology and immunology. Prerequisite: Any 300-level biology course. \*EANS

**BIOL 441 Microbiology Laboratory (1 cr)**

A practical, hands-on course that provides training in commonly used techniques of microbe identification and microbiology research. Laboratory sessions include training in preparing sterile media, aseptic technique in the culturing of microbial cultures, the use of biochemical techniques to identify bacteria, microscopy and staining techniques, and fermentation in food and beverages. Corequisite: BIOL 440.

**BIOL 462 Cancer Biology (3 cr)**

The purpose of this course is to provide the student with the underlying principles, concepts and molecular mechanisms of cancer. The theme of cancer as a genetic disease will be studied in detail. Emphasis will be placed upon an understanding of signaling mechanisms, and how aberrant signal transduction pathways affect cell architecture and function. Students are required to register as student members to the American Association of Cancer Research (student membership is free). Students must also keep a journal on a specific type of cancer of their choice. Prerequisites: BIOL 120, BIOL 125, BIOL 130, and BIOL 210.\*EANS

**BIOL 473/74 Internship in Biology (1,2 or 3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL. May repeat up to 6 cr.

**BIOL 475 Student Research (1 cr)**

Independent student research. Students will design and perform a research project with the consent and guidance of a faculty mentor. This course may be taken as a continuation from the junior year or may be limited to only a single semester or the senior year. Prerequisite: Senior standing. Note: A research project manual describing the requirements for this project series will be distributed. The student will be expected to acknowledge and agree to the guidelines as delineated.

**BIOL 476 Student Research (1 cr)**

Independent student research. Students will design and perform a research project with the consent and guidance of a faculty mentor. This course may be taken as a continuation from the previous semester or may be limited to only the Spring semester. Prerequisite: Senior standing. Note: A research project manual describing the requirements for this project series will be distributed. The student will be expected to acknowledge and agree to the guidelines as delineated.

**BIOL 484 Biology Capstone Seminar (1 cr)**

Building upon the foundation of knowledge acquired thus far, and applying knowledge gained and skills mastered, students will examine core concepts and core competencies of the field of biology, as well as explore multiple current issues within the field. Prerequisite: Students must be biology majors with senior standing or have permission of instructor.

**BUSN 115 Business Statistics (3 cr)**

Students learn statistical techniques for further study in business, economics, and finance. The course covers descriptive statistics, probability, discrete and continuous random variables, estimation, hypothesis testing, and regression analysis. The course emphasizes statistics to solve management problems.

**BUSN 201 Quantitative Business Analysis (3 cr)**

This course addresses the vital tools of business management such as statistical applications, sampling, data collecting, simple linear regression, ANOVA, Chi Square. Prerequisite: BUSN 115 or MATH 115.

**BUSN 211 Principles of Management (3 cr)**

Management is the process of working with and through people to obtain organizational objectives. The introductory level survey course examines the management functions of organization, controlling, leading and planning. General Systems Theory will be emphasized as an analytical tool. Supervisory behavior and skills will be key topics.

**BUSN 212 Principles of Marketing (3 cr)**

An examination of the fundamental concepts of marketing activities. Takes a managerial perspective to introduce product, price, place and promotion elements of the marketing mix.

**BUSN 213 Principles of Finance (3 cr)**

A basic study of organizational and financial practices and problems which arise in connection with business organizations, especially the corporation. Topics include: the time value of money, basic capital budgeting, basic long-term financing decisions and working capital policy. Prerequisites: ECON 211 and ACCT 201

**BUSN 223 Applied Investments I (3 cr)**

This course uses academic studies, practitioner-oriented readings, articles from the popular press, and a term project to cover both conventional wisdom and state-of-the-art methods used in managing a stock portfolio. Students learn how to be responsible for and manage a portfolio of real assets. The entire investment portfolio consists of student stock picks. As a term project, each student develops and presents to the class a quantitative model. Course topics include active stock selection emphasizing quantitative selection methods, trading, databases, software, performance evaluation, risk management, brokerage accounts, and the money management industry.

**BUSN 225 Tourism and Hospitality Marketing (3 cr)**

This course is about the successful marketing principles employed in the tourism and hospitality industry. Demand variables, distribution channels, communications, promotions, research, packaging, collateral materials, pricing strategies, the marketing plan, and enhancing internal sales may be covered. Cross-listed as THMT 225.

**BUSN 231 Intro to Professional Selling (3 cr)**

This course serves as an introduction to the world of the professional sales representative. The focus of the course is on the development and execution of a professional sales presentation. Topics covered include professional self-presentation; the approach; features, advantages and benefits of the product; the marketing plan; the business proposition; handling buyer objections and closing the sales presentation.

**BUSN 236 Introduction to Human Resource Management (3 cr)**

This course examines the functions performed by human resource professionals in the dynamic environment of the 21st century. Major topics include human resource planning, job analysis, recruitment, selection, compensation, benefit administration, performance evaluation and training. Special emphasis will be given to the ethical considerations and legal issues impacting on employment decisions. Prerequisite: BUSN 211. \*MSSN.

**BUSN 250 Sports Leadership (3 cr)**

Focus is on exploring various leadership styles and examining how leadership operates in the sport domain, both from a coaching/administration and athlete viewpoint. Cross-listed as EXSC 250. \*MSSN.

**BUSN 251 Organizational Behavior (3 cr)**

A survey course that examines individual and group behavior in an organizational context. The underlying thesis of this course is that an increased understanding of the human system can result in an organization that is more effective at meeting both the organization's objectives and the goals of the individual employees. Major topics include: motivation, leadership, group processes and attitudes.

**BUSN 252 Consumer Behavior (3 cr)**

Designed to integrate theories of consumer behavior that impact upon an organization's marketing activities. Explores individual and group behavior factors. Prerequisite: BUSN 212.

**BUSN 265 Strategic and Risk Management in the Tourism and Hospitality Industry (3 cr)**

This course examines risk management concepts and strategies within tourism and hospitality industry. Risk management helps employees to identify, analyze, assess, and hopefully, avoid or mitigate risks coming from a variety of sources, such as financial upset, legal ramifications, accidents, natural disasters, data or cyber security breaches, and many more. Cross-listed as THMT 265.

**BUSN 301 Conceptual Foundations of Business (3 cr)**

This course embraces the major ideas and institutions that make up an important part of the environment within which business transactions take place. The ideas are those philosophical concepts which have helped to shape business and society. The institutions include not only business institutions but also those legal and political institutions which have a major bearing on business. Prerequisite: Junior standing. \*MSSN.

**BUSN 316 Investments and Portfolio Management (3 cr)**

Introduction to financial markets, security analysis and valuation, and portfolio management; primary focus from an individual investor viewpoint. Prerequisite: BUSN 213. \*EPRT.

**BUSN 318 Entrepreneurship and Ethics (3 cr)**

This course provides a philosophical, cultural, and historical portrait of the role and importance of honorable entrepreneurship in society. Ideas from the humanities and the social sciences are explored and related to the study and practice of entrepreneurship. The world view underpinning this course is that the inherently moral nature of entrepreneurship requires a free capitalist political economy. It studies the connection between entrepreneurship and morality and addresses ethical behavior toward customers, competitors, employees, and so on.

**BUSN 319 Managing Creativity and Innovation (3 cr)**

This course examines the role of innovation in gaining sustainable advantages in the market. Students will investigate the process of converting ideas, technologies, and customer needs into new processes, products, and services. The course will cover the nature and types of innovation and the implications of various types of innovation for developing new process, products, and services.

**BUSN 320 Compensation and Benefits (3 cr)**

This course will examine all aspects of compensation and benefits practices. The course will help human resources managers understand how they can utilize compensation and benefits to create a strategic advantage. The course will cover topics in wage and salary, employee benefits, rewards systems, and the design and implementation of total compensation systems as well as challenges employees face with compensation and benefits management.

**BUSN 321 Collective Bargaining and Labor Relations (3 cr)**

Student will learn the history of labor relations primarily in the United States, but global labor relations will also be covered. Students will examine the effectiveness of labor organizations in today's society. Students will learn about the processes of labor organizations, including the formation, operations, and legal aspects. The course will explain the influence of labor organizations have on various business environments. The course will explain and describe aspects of the collective bargaining process.

**BUSN 323 Digital Marketing (3 cr)**

Digital Marketing is the term used for the targeted, measurable, and interactive marketing of products or services using digital technologies to reach the viewers, turn them into customers, and retain them. Digital marketing channels include Social Media Marketing, Search Engine Optimization, Pay-Per-Click Advertising (PPC), Content Marketing and Digital Video Production. Prerequisite: BUSN 212.

**BUSN 325 Organizational Leadership (3 cr)**

After examining the evolution of leadership theory, this course focuses on a contemporary leadership model. The student's leadership style will be determined and personal development opportunities will be provided. \*MSSN.

**BUSN 331 Information Systems (3 cr)**

This course addresses systems in an operations environment, including computer hardware, software, communications, data bases, data warehousing, data mining, enterprise systems, e-commerce, IS acquisition, product/service development, process analysis, forecasting, capacity and aggregate planning, scheduling, MRP, JIT, inventory management. Prerequisites: ACCT 202 and BUSN 201.

**BUSN 350 Social Media Marketing (3 cr)**

This course examines the latest strategies for monitoring and engaging consumers in social media from a marketing perspective. It also explores popular platforms, such as Twitter and Facebook, that are used to connect with and analyze target audiences. \*EPRT.

**BUSN 355 Business Law (3 cr)**

Study of the bases of the law and the Uniform Commercial Code, which is most likely to be encountered in a business environment. Topics include contracts, personal property, bailments, sales, torts, government regulation, administrative agencies, corporations, partnerships, commercial paper, insurance, bankruptcy, real property, estates and trusts.

**BUSN 360 Web Metrics and SEO (3 cr)**

This course examines how marketers strategically gather online information to measure traffic, engagement, and potential impact on return on investment (ROI). The course explores search engine optimization (SEO) and social media optimization (SMO) strategies used to build an online presence for clients.

**BUSN 361 Special Topics in Business (3 cr)**

This course focuses on selected topics or subject areas within the Business field. Topics may derive from, but not be limited to, Management, Marketing, Economics, Finance, Tourism and Hospitality Management, Human Resources Management, and Sports Management.

**BUSN 370 Digital Video Production (3 cr)**

In this course students will learn the technical and conceptual skills needed to create and add videos into integrated marketing campaigns. This course covers the basics of selecting the best hardware and software for video projects so the students will gain hands-on experience in shooting and producing engaging videos. \*EPRT.

**BUSN 373/74 Internship in Entrepreneurship (1, 2 or 3 cr)**

Students will be placed in a company in which they will work on aspects of starting a new business or bringing a new idea to market.

**BUSN 380 Digital Marketing Storytelling (3 cr)**

Students will learn advanced thinking and strategies for conceiving, developing, and promoting digital content used in product marketing anchored in the strength of clear and impactful brand storytelling. This course will prepare students to create visual content (static and motion) that reaches targeted audiences with maximum flexibility across various digital channels.

**BUSN 403 Legal and Ethical Issues in the Tourism and Hospitality Industry (3 cr)**

This course is an introduction to the legal and ethical principles that affect the hospitality and tourism industry. Students will review theory and application of general and contract law as they relate to business, employee, and public management regulations. Students will also learn the legal and ethical issues as they relate specifically to the travel and tourism industry. Cross-listed as THMT 403. \*MSSN.

**BUSN 410 Strategic Business Planning (3 cr)**

This capstone course is concerned with the development of approaches for defining, analyzing and resolving complex strategic problems of profit and not-for-profit organizations. The course should be taken in the last year of the student's program. Prerequisite: senior standing. \*MSSN. \*EPRT.

**BUSN 411 Tax, Estate, Trust, and Retirement Planning (3 cr)**

An examination of planning for and treatment of various estate avenues including wills and trusts, legal and taxation implications, laws of descent and distribution, etc. Prerequisite: BUSN 213.

**BUSN 412 Risk Management & Insurance (3 cr)**

This course combines major risk management and insurance principles with consumer considerations. Students will study concepts of risk and insurance, basic topics in risk management, functional operations of insurers, legal principles, life and health insurance, auto insurance, property and liability insurance, employee benefits, and social insurance. Prerequisite: BUSN 213.

**BUSN 413 Entrepreneurship and New Venture Management (3 cr)**

This core course in the major examines the nature of entrepreneurship and the entrepreneurial process. It broadly explains a variety of issues surrounding new venture creation and management including the business plan, determining resources needs, acquiring resources, marketing requirements, ethical issues, and more.

**BUSN 414 Venture Capital and Private Equity Investing (3 cr)**

The focus of this course is on financial issues and needs of facing start-up entrepreneurs and entrepreneurs attempting to expand their small businesses. The course looks at the internal financial operations of a venture and the nature and mechanisms of venture financing.

**BUSN 415 Employment Law (3 cr)**

This course will help students understand legal issues affecting human resources in the United States. Students will get a basic framework of employment law. Students will be able to identify and recognize legal problems, and conflicting views on legal issues. Students will be able to evaluate the impact of laws on both individuals and organizations as well as how to apply the laws to various organizations.

**BUSN 420 Marketing Strategies (3 cr)**

The study of essential aspects of effective marketing strategy formulation and implementation. An appreciation of the complexity of managerial decision-making will be stressed. Emphasis will be on case studies to more fully demonstrate segmentation, targeting, positioning and other marketing mix strategies. Prerequisites: BUSN 212 and senior standing.

**BUSN 430 Mastering CRM: Salesforce™ Trailhead Training and Certification (3 cr)**

The Salesforce certification training course is designed to ensure that students learn and master the concepts of being a Salesforce Administrator and App Builder. This course provides training in Salesforce configuration to collect, analyze, and retrieve vital customer information and create applications using Salesforce Lightning.

**BUSN 473/74 Internship in Business (1, 2 or 3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EPRT. \*EXSL. May repeat up to 6 cr.

**BUSN 494 Analytical Methods II (3 cr)**

This course introduces students to the fundamentals of business analytics and provides vital tools in understanding how data analysis works in today's organizations. Students learn how to apply basic principles, use integrated analytics software, communicate with analytics professionals, and effectively interpret analytic models to make better business decisions. \*EPRT.

**CHEM 109 Chemistry for Non-science Majors (3 cr)**

Introductory chemistry course for the non-science major emphasizing applications of chemistry to problems involving environmental pollution, sources of energy, radioactivity and human health. \*EANS.

**CHEM 115 Introduction to General, Organic & Bio-chemistry (3 cr)**

A one-semester introduction to fundamental chemical principles necessary to describe the behavior of matter. Biochemical concepts and medical applications included as needed. Required for BSN majors. Priority given to health science majors. \*EANS.

**CHEM 141 General Chemistry I (3 cr)**

Modern concepts of atomic structure and chemical properties, chemical bonding, stoichiometry, chemical equilibrium and kinetics. Satisfies the general chemistry requirements for chemistry and biology majors as well as prerequisites for medical, veterinary and other health related graduate programs. Corequisite: Placement into MATH 151 or higher. \*EANS.

**CHEM 142 General Chemistry Lab I (1 cr)**

Qualitative and quantitative studies of chemical systems. Introduction to basic synthetic and instrumental chemical methods. Corequisite: CHEM 141. A drop/withdrawal in CHEM 141 requires same action in this course.

**CHEM 151 General Chemistry II (3 cr)**

Modern concepts of atomic structure and chemical properties, chemical bonding, stoichiometry, chemical equilibrium and kinetics. Satisfies the general chemistry requirements for chemistry and biology majors as well as prerequisites for medical, veterinary and other health related graduate programs. Prerequisites: CHEM 141 and CHEM 142. \*EANS

**CHEM 152 General Chemistry Lab II (1 cr)**

Qualitative and quantitative studies of chemical systems. Introduction to basic synthetic and instrumental chemical methods. Corequisite: CHEM 151. A drop/withdrawal in CHEM 151 requires same action in this course.

**CHEM 221 Organic Chemistry I (4 cr)**

The study of the structure and reactions of organic compounds as described by modern theories of bonding and reactivity. Prerequisites: CHEM 151 and CHEM 152.

**CHEM 222 Organic Chemistry Lab I (1 cr)**

The techniques necessary to synthesize and identify organic compounds by both chemical and instrumental methods. Corequisite: CHEM 221.

**CHEM 231 Organic Chemistry II (4 cr)**

The study of the structure and reactions of organic compounds as described by modern theories of bonding and reactivity. Prerequisites: CHEM 221 and CHEM 222. \*EANS

**CHEM 232 Organic Chemistry Lab II (1 cr)**

The techniques necessary to synthesize and identify organic compounds by both chemical and instrumental methods. Corequisite: CHEM 231.

**CHEM 314 Biochemistry (3 cr)**

A basic course which develops concepts necessary for a description of macromolecular structure, biological regulatory processes and chemical biodynamics. Prerequisite: CHEM 231. \*EANS

**CHEM 315 Quantitative Analysis (3cr)**

Principles of quantitative analysis with a general introduction to instrumental methods. Emphasis on development of analytic skills as currently employed. Prerequisites: CHEM 231 and 232. \*EANS

**CHEM 316 Quantitative Analysis Lab (1 cr)**

A laboratory course involving the principles of quantitative analysis and an introduction to instrumental methods. Corequisite: CHEM 315.

**CHEM 317 Instrumental Analysis (3 cr)**

A lecture course in the theory and application of modern instrumental methods of separation and analysis. Prerequisites: CHEM 315, CHEM 316, PHYS 241, and PHYS 242. \*EANS

**CHEM 318 Instrumental Analysis Lab (1 cr)**

A laboratory course in the theory and application of modern instrumental methods of separation and analysis. Corequisite: CHEM 317.

**CHEM 319 Environmental Chemistry (3 cr)**

Basic chemistry of soils, atmosphere and natural waters. Changes resulting from pollution discharges. Chemical perspectives on environmental problems. Prerequisites: CHEM 221 and CHEM 222. \*EANS

**CHEM 321 Physical Chemistry I (4 cr)**

Modern concepts of molecular structure, chemical thermodynamics, equilibrium and kinetics. Prerequisites: CHEM 231, CHEM 232, and MATH 192. \*EANS

**CHEM 322 Physical Chemistry Lab I (1 cr)**

Experiments in physical-chemical measurements with an emphasis on instrumental methods. Corequisite: CHEM 321.

**CHEM 331 Physical Chemistry II (4 cr)**

Modern concepts of molecular structure, chemical thermodynamics, equilibrium and kinetics. Prerequisites: CHEM 321 and CHEM 322. \*EANS

**CHEM 332 Physical Chemistry Lab II (1 cr)**

Experiments in physical-chemical measurements with an emphasis on instrumental methods. Corequisite: CHEM 331.

**CHEM 382 Junior Research Project I (1 cr)**

Directed research project. A seminar and/or written report are integral parts of the course. Prerequisite: Junior standing.

**CHEM 383 Junior Research Project II (1 cr)**

Directed research project. A seminar and/or written report are integral parts of the course. Prerequisite: Junior standing.

**CHEM 401 Inorganic Chemistry (3 cr)**

Modern concepts of bonding and structure in inorganic compounds, reactivity and reaction mechanisms, acid-base and solid-state chemistry. Prerequisite: CHEM 231. \*EANS



**CHEM 402 Inorganic Chemistry Lab (1 cr)**

A laboratory course providing experience in the synthesis of significant inorganic compounds and the techniques of various experimental and spectroscopic methods. Corequisite: CHEM 401.

**CHEM 481 Seminar (1 cr)**

Seminar presentations by faculty and chemists from industry and other academic institutions; student presentations on their undergraduate research and literature topics. Prerequisite: Senior standing or permission of instructor. \*EANS

**CHEM 482 Senior Research Project I (1 cr)**

Directed research projects. A seminar and/or written report are integral parts of the course. Prerequisite: Senior standing.

**CHEM 483 Senior Research Project II (1 cr)**

Directed research projects. A seminar and/or written report are integral parts of the course. Prerequisite: Senior standing.

**CMGT 110 Introduction to Construction Management (3 cr)**

This course introduces students to the construction industry with emphasis on the principles of construction management.

**CMGT 210 Construction Materials and Methods (3 cr)**

A study of the origins, production and uses of construction materials such as concrete, steel, aluminum, wood, brick, and stone. A combination of structural and non-structural, interior and exterior materials and assemblies will be examined.

**CMGT 273/74 Internship: Applied Practice in Construction Management (3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL. May repeat up to 6 cr.

**COMM 115 Principles of Professional Speaking (3 cr)**

This course provides an overview of effective speaking techniques in a variety of settings and emphasizes communicating messages to different audiences. Students demonstrate public speaking concepts and principles to compose informative and persuasive speeches. While primarily performance based, students also critique memorable speeches through their observation and application of course content. \*ECOC.

**COMM 120 Principles of Communication (3 cr)**

This course provides an overview of the field of communication and how scholars analyze concepts and principles of human communication. Students understand how verbal and nonverbal messages communicate meaning in relationships, small group settings, and other cultures. Students examine their perceptions of themselves and others, effective listening techniques, and the role of media in their lives. Finally, public speaking ideas, such as audience analysis, informative and persuasive speaking, and delivery are also addressed. \*CTAH.

**COMM 121 Persuasion (3 cr)**

Students in this course survey mass communication strategies and modern communication, and theories of communication failure. This class builds practical persuasive skills by teaching students to analyze and understand persuasive discourse, broadly considered. Students examine propaganda, twentieth-century marketing strategies, and demagoguery.

**COMM 131 Media and Culture (3 cr)**

Using theories and research methods from cultural studies and rhetorical studies, students learn to critically analyze culture and its textual artifacts to understand how texts and culture shape and inform one another. Students study media production, representation, and audience responses when analyzing and critically evaluating media. The course considers books, magazines, newspapers, music, film, television, advertising, and the Internet.

**COMM 142 Digital Photography**

This course introduces students to the history, aesthetics, and principles of photography with an emphasis on the rhetoric of digital photography. Students will explore the creation of their photography by learning the principles of composition, lighting, exposure, and special effects. This course has no prerequisites but requires the use of a digital camera with manual settings. \*CTAH.

**COMM 151 Fundamentals of Interpersonal Communication (3 cr)**

This course introduces students to the theoretical perspectives and relational dynamics of interpersonal communication. Students emphasize building, maintaining, and sustaining familial, business and professional, friendly, and romantic relationships through verbal and nonverbal communication. They will also analyze the presence of conflict and discuss conflict management techniques. Finally, consideration of how social media has altered how we communicate with others will also be addressed. \*MSSN.

**COMM 161W Fundamentals of Journalism (3 cr)**

Students study the principles and practices of journalism in a democratic society through the use of various platforms. This course examines and practices the skills of gathering information and writing ethical news and feature stories with precision, balance, and insight. This course emphasizes reporting techniques including investigative reporting, observing, interviewing, and broadcasting, as well as producing journalism stories for print and online, journalism blogs, and television broadcasts. Students produce several stories for their portfolios. \*ECWC. \*EPRT.

**COMM 204 Argumentation & Debate (3 cr)**

In this speech-based class, students learn and evaluate the types of arguments and how to build them using credible evidence. Using claims, propositions, credible evidence and reasoning, students examine how to improve their arguments. Recognizing opposing viewpoints and considering how to create refutations are also examined. In this primarily performance-based course, students professionally debate each other using a variety of topics and contexts. Prerequisite: COMM 115.

**COMM 208 Intercultural Communication (3 cr)**

This course examines the core concepts, principles, and theoretical history of intercultural communication. Students examine how a culture is contextualized, constructed, and transformed. Cultural beliefs and values are also considered, as well as how dynamics in communication and cultural diversity are present in the global world. Students recognize how rhetoric, media messages, interpersonal relationships, and political contexts affect intercultural communication.

**COMM 221 Topics in Communication I (3 cr)**

This course focuses on selected topics or subject areas within the Communication field. Topics may derive from Communication subjects such as, but not limited to, media studies, critical/cultural studies, media production, rhetoric, and persuasive messages.

**COMM 222 Topics in Communication II (3 cr)**

This course focuses on selected topics or subject areas within the Communication field. Topics may derive from Communication subjects such as, but not limited to, media studies, critical/cultural studies, media production, rhetoric, and persuasive messages.

**COMM 232 Visual Design (3 cr)**

In this process-based, workshop-style course, students will learn the basics of creating visual design in the areas of page layout, typography, and digital image editing. Students will learn how to use graphic elements such as geometric primitives, line, shape, texture, value, color, positive and negative space, foreshortening, and perspective.

**COMM 259W Advertising (3 cr)**

Students study and practice advertising as a critical element of an organization's total marketing plan. This course emphasizes the analysis and critique of previous advertisements and their effectiveness in message creation, audience analysis, persuasion, and ethical considerations. Students produce ads for print, broadcast and other media by creating effective and ethical examples of advertisements. \*ECWC.

**COMM 303 Race, Gender, and Class in Media (3 cr)**

This media studies course examines representations of race, gender, and class in the media. Students study how race, gender, and class are portrayed in media texts such as film, television, advertisements, and music videos. This course examines how the dominant ideologies associated with these media messages influence our cultural beliefs, perceptions of others, and broader hegemonic themes in society. Students consider to what extent media portrayals participate in the larger discussion of these themes in a democratic society. Prerequisites: COMM 120 and COMM 131. \*GLCP. \*MSSN.

**COMM 311W Public Relations Writing (3 cr)**

Students in this course study and produce the kinds of planning and writing required for effective public relations, including story pitches, news releases, brochures, public service announcements, presentations, speeches, Web sites, and media kits. This course emphasizes not only the various tools available to the public relations practitioner but also the rhetorical process of deciding and justifying which tools are most effective for moving target audiences from initial ignorance to the appropriate intended action. Prerequisites: COMM 120 and COMM 121. \*ECWC. \*EPRT.

**COMM 330 Communication Research Methods (3 cr)**

This course introduces students to the methods and analysis techniques utilized by Communication researchers. Students examine social scientific, interpretive/humanistic, and critical perspectives through quantitative and qualitative research methods. Finally, students critique previous Communication research as well as develop their own research proposal. Prerequisites: COMM 120 and COMM 131.

**COMM 351 Integrated Marketing Communication (3 cr)**

This advanced course seeks to develop critical thinking skills through the examination of audience-centered case studies of how professionals in public relations and integrated communications develop objectives that translate into communication campaigns. The course emphasizes illustrations of theoretical applications in real-life situations. The development of analytical skills, ethical guidelines, and issues of diversity in communications practice are emphasized. \*EPRT.

**COMM 473/474 Internship in Communications (1 or 2 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL. May repeat up to 6 cr.

**COMM 481 Senior Seminar (3 cr)**

This course is a guided experience creating a senior capstone project that is the culmination of the student's studies in the Communication major. A project will be related to the student's post-graduation roles and will be presented at Research Day in the spring. Students also finalize a professional portfolio of work that they can show to potential employers or use for graduate school applications. Prerequisite: COMM 120.

**CRJU 120 Survey of Criminology (3 cr)**

Looks at theoretical approaches to criminal behavior and the controversies arising from them. Modern criminal justice policies and the ideologies that lie behind them are applied to the problems of crime control and the sentencing of criminal offenders. \*CTSS. \*MSSN.

**CRJU 121 Introduction to the Criminal Justice System (3 cr)**

Surveys patterns of crime and the processes of the American justice system. Crime, law enforcement, judicial process and corrections are examined from political, sociological and psychological perspectives. \*\*CTSS. \*EPRT.

**CRJU 212 Criminal Law and Procedure (3 cr)**

The basic principles of substantive criminal law are illustrated through analysis of cases. Topics include the elements of crimes against persons and property, the fundamentals of criminal liability and justifications and excuses such as self-defense and insanity. Problems of advocacy at both trial and appellate levels are also explored. \*EPRT. \*EXSL.

**CRJU 215 Law Enforcement (3 cr)**

Provides a social science perspective on the training and socialization of police, police corruption, police community relations and the pressures of police work. The fundamentals of criminal procedure are also covered, including arrest, search and seizure and the use of deadly force. Prerequisite: CRJU 120. \*MSSN.

**CRJU 216 Justice and Diversity (3 cr)**

An introduction to basic terminology and theories of justice, gender, race, and identity, with particular attention to the voices and experiences of those whose difference from a dominant social identity has been a factor in their marginalization.

**CRJU 250 Criminal Investigations (3 cr)**

This course examines the roles played by criminal investigators, with emphasis on legal restrictions and principles. Students will apply laws and court decisions to the tasks that comprise criminal investigations, such as interrogation, evidence collection, and surveillance. This course examines special investigative challenges such as death investigations and arson cases. The course also allows students to develop and practice certain skills commonly possessed by professional investigators. Prerequisite: CRJU 121.

**CRJU 312 The Juvenile Justice System (3 cr)**

Analyzes theories of the causes of juvenile crime and the processes of the juvenile justice system, including a critical look at juvenile correctional policies. Prerequisite: CRJU 120. \*MSSN.

**CRJU 315 Victimology (3 cr)**

This course will examine victim-offender relationships, the interaction between victims and the criminal justice system, and the individual as a victim.

**CRJU 318 Occupational Crime (3 cr)**

Examination of conduct in violation of the law that is committed through opportunities created in the course of a legal occupation. Methods for counting and regarding occupational crimes and criminals. Theories and explanations of these behaviors. Sanctioning and social control of occupational crime.

**CRJU 320 Drugs and Society (3 cr)**

This course examines the impact of illegal drugs on both the individual and the overall criminal Justice system. Students will consider the physiological impact of illegal drugs on the user, and will review the different categories of drugs. Students will explore the mechanics of the illegal drug trade, with an eye toward understanding how drug trafficking organizations work, and how drugs move from place to place. The course will conclude with a look at law enforcement efforts, and the movement to legalize.

**CRJU 321 Corrections (3 cr)**

Examines American correctional policies and their historical development. Provides a close look at both community-based and institutional corrections, as well as the processes of probation and parole and the legal rights of prisoners. Prerequisite: CRJU 120. \*EPRT.

**CRJU 323 Child and Family Intervention Strategies (3 cr)**

This course is designed to introduce students to the application of investigation and critical thinking strategies to the problems of child abuse, neglect, and domestic violence. Assessment, decision-making, and case management strategies will be explored.

**CRJU 324 The Victimization of Children and Trauma Informed Care (3 cr)**

This course examines traumas as single incidents and chronic, occurring over and over. Victimization of children is grossly underreported, and traumatic, as an individual is in the position of recurring captivity and may accept the abuse as normal. Living in an abusive household produces an emotional climate of captivity. In order to survive, an individual adapts and learns to minimize the impact that it has on their life. This course presents types of potentially traumatic events, the effects of trauma, the assessment and potential outcomes, as well as common elements in treatment interventions for trauma and to build resilience. Trauma therapy covers established and new trends to address PTSD and chronic childhood distress. TF-CBT is effective for children, teens, and adolescents who have significant emotional difficulties from a traumatic event and engage in delinquent behavior.

**CRJU 327 Comparative Systems of Justice and Social Control (3 cr)**

Introduction to the concepts of justice, law, deviance and social control. Examination of informal and formal systems of justice and social control, including traditional systems, common law, civil law, Marxist law and Islamic law.

**CRJU 330 Criminal Profiling (3 cr)**

This course examines the techniques and processes involved in the investigation of unusually violent crimes, with a focus on the process of criminal profiling. Students will explore a wide range of crimes with multiple victims, and investigate the motivations and causes behind these tragedies. Students will conduct several in-depth case studies, with a goal of developing investigative profiles of the perpetrators. Prerequisites: CRJU120 or PSYC 110.

**CRJU 333 Organized Crime (3 cr)**

This course reviews the history of organized crime groups in America. Students will explore the structure of various types of organized crime groups, including the ethnic organizations in New York, Boston, and other cities, as well as drug cartels and international smuggling organizations. The course will also examine the legal and law enforcement efforts to combat organized crime, including RICO prosecutions.

**CRJU 340 Issues in Criminal Justice (3 cr)**

Analysis of specific topics, depending on student interest and current importance; examples include the international war on drugs, causes and effects of domestic violence. Prerequisite: CRJU 120.

**CRJU 350 Terrorism and Homeland Security (3 cr)**

This course examines the agencies tasked with the mission of protecting America from threats, and the methods these agencies employ. Threats include terrorism as well as natural disasters, disease, and other large-scale threats. Students will examine major terrorist groups, including domestic groups. Students will also examine several terrorist incidents as case studies, to consider terror groups' motivations and methods, as well as investigative strategies.

**CRJU 410 Ethical and Philosophic Issues (3 cr)**

This course introduces the student to prominent ethical systems, then applies those concepts to specific aspects of the Criminal Justice field. Students will analyze the ethical challenges that arise in the fields of law enforcement, courts, and corrections in particular, and explore the methods designed to mitigate ethical problems in these areas. Prerequisites: CRJU 121, CRJU 212, CRJU 215, and CRJU 321.

**CRJU 421 Theories of Management and Administration in Criminal Justice Organizations (3 cr)**

Focus on the complex theories and related issues of management and administration within the criminal justice system. Problems of communication, motivation, leadership, organizational effectiveness and innovation. Prerequisite: CRJU 120. \*EPRT.

**CRJU 450 The Supreme Court and Criminal Justice (3 cr)**

This course examines the role of the Supreme Court and its impact on the Criminal Justice system. Students will explore how the Court is structured and how it operates. The course reviews landmark decisions that have shaped the modern system with regard to law enforcement, corrections, and criminal procedures. Students will also monitor present-day cases being argued before the Court and analyze their potential impacts.

**CRJU 473/74 Internship in Criminal Justice (1, 2 or 3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL. May repeat up to 6 cr.

**CRJU 484 Criminal Justice Capstone Seminar (1 cr)**

Building upon the foundation of knowledge acquired thus far, and applying knowledge gained and skills mastered, students will examine core concepts and core competencies of the field of criminal justice, as well as explore multiple current issues within the field. Prerequisite: Students must be criminal justice majors with senior standing or have permission of instructor.

**ECON 211 Macroeconomics (3 cr)**

A presentation of basic macroeconomic relationships. Topics emphasized are: the determination of income and employment, monetary and fiscal policies, inflation, interest rates and economic growth. \*MSSN. \*CTSS

**ECON 212 Microeconomics (3 cr)**

A presentation of basic theories of consumer behavior and of the firm. Other topics include: study of elasticity, firm and industry equilibrium under various market structures and international trade.

**EDUC 210 Educational Technology (3 cr)**

Experiences in teaching in technology, with technology, and through technology by incorporating hands-on work with computers and associated peripherals, the Internet, and content software. Strategies for effective integration of technology and the security and ethical issues associated with technology are included.

**EDUC 223 Curriculum Development & Methods: Physical Education, Health, and Safety (2 cr)**

Experiential examination of physical and emotional fitness, contemporary health issues, and the integration of physical education, health, and safety in multi-subject, K-6 classrooms.

**EDUC 231 Schools and Communities (3 cr)**

Introduction to teaching as a profession with an emphasis on exploring various perspectives on education through dialogue and activities related to current issues relevant to today's classroom teachers. Topics include teacher dispositions, challenges teachers and schools face, influence of the law on education, standards and assessment, and the global educational context. The field component involves tutoring and/or leading learning activities with children. (*10 Hours Field Placement in Schools Required*)

**EDUC 232 Classroom and Teacher Roles (3 cr)**

Study of teaching, focusing on classroom pedagogical and management strategies, development of objectives, and lesson planning, as well as discussion of the various roles of a teacher. Attention also given to co-teaching and collaboration. The field component involves observation and teaching experience under the guidance of a K-12 mentor teacher. There is a focus on reflections related to planning, pacing, and teaching strategies. (30 Hours Field Placement in Schools Required)

\*\*\*In order to complete 300 and 400 Level coursework teacher candidates must be admitted to the education program.

*Admission Requirements:*

- Possess and maintain a minimum of 2.5 GPA overall
- Junior Status
- Passing score on Praxis Core Academic Skills for Educators Test in Reading (156), Writing (162), and Math (150)

**EDUC 309: Curriculum Development and Methods (3 cr)**

This course is designed to acquaint individuals with principles underlying effective elementary, middle, and secondary school teaching practices. It includes planning and evaluating activities that promote the growth of elementary, middle, and secondary students as readers, writers, and thinkers in the various core disciplines. It encourages the application of various methods as well as teaching styles in order to accommodate the various learning styles. It allows students to prepare lessons in their core area and implement them with intention of building skill mastery among their future students and gaining feedback by their instructor. Forty (40) observation hours are required.

**EDUC 310 Curriculum Development & Methods: Secondary English/Language Arts (3 cr)**

Study of English/Language Arts curriculum, incorporating specific methods to prepare students to teach secondary English/Language Arts. (*40 Hours Field Placement in Schools Required*) Prerequisite: Admitted to Education Program.

**EDUC 311 Curriculum Development & Methods: Secondary Mathematics & Science (3 cr)** 117 Study of mathematics and science curriculum, incorporating specific methods to prepare students to teach secondary math and science. (*40 Hours Field Placement in Schools Required*) Prerequisite: Admitted to Education Program.

**EDUC 312 Curriculum Development & Methods: Secondary Social Studies (3 cr)**

Study of Social Studies curriculum incorporating specific methods to prepare students to teach secondary Social Studies. (*40 Hours Field Placement in Schools Required*) Prerequisite: Admitted to Education Program.

**EDUC 313 Mathematics Education Residency I (4 cr)**

This course will focus on the West Virginia College - and Career - Readiness Standards for Mathematics (2520.2B) and the National Council of Teachers of Mathematics CAEP Standards. Students will study and practice the mathematical standards in the following areas: algebra, geometry, trigonometry, probability, statistics, and calculus. Students will complete math assignments, Discussion Board posts, and reflections. In addition to observing lessons, students will assist the mentor teacher with classroom tutoring. Tutoring will involve helping individual and small groups completion or of students with homework other support activities assigned by the classroom teacher. (60 Hours Field Placement in Schools Required) Prerequisite: Admitted to Education Program.

**EDUC 314 Mathematics Education Residency II (4 cr)**

This course will focus on the West Virginia College - and Career - Readiness Standards for Mathematics (2520.2B) and the National Council of Teachers of Mathematics CAEP Standards. Students will study and practice the mathematical standards in the following areas: algebra, geometry, trigonometry, probability, statistics, and calculus. Students will complete math assignments, Discussion Board posts, and reflections. In addition to observing lessons, students will assist the mentor teacher with classroom tutoring. Tutoring will involve helping individual and small groups completion or of students with homework other support activities assigned by the classroom teacher. (60 Hours Field Placement in Schools Required) Prerequisite: Admitted to Education Program.

**EDUC 316 Grammar (3 cr)**

Study of grammar and instructional strategies for teaching the conventions of language. Focus is on integrating the teaching of grammar in the context of writing activities. Students will analyze their own writing and develop instructional strategies for incorporating grammar into the K-6 curriculum. Required of all Elementary Education and secondary English majors.

**EDUC 320 The Special Education Process (3 cr)**

Study of the history of special education incorporating significant legislation, litigation, and trends. Important practices, including the referral process, functional behavior assessments, transition plans, 504 plans, IEPs, and the continuum of classroom services. Prerequisite: Admitted to Education Program. (30 Hours Field Placement in Schools Required).

**EDUC 322 Teaching Reading & Phonics in the Elementary School (4 cr)**

Theories and strategies of the teaching of reading grounded in field experiences with emphasis on techniques for thematic teaching of reading/language arts. The course includes the assessment and instruction process through construction, administration, and interpretation of authentic reading and written language assessments. Diagnostic and corrective reading techniques are integrated into the instructional process. Field experience includes observation and teaching experience under the guidance of a mentor teacher and University supervisor with a focus on teaching practice in reading and language arts. (20 Hours Field Placement in Schools Required) Prerequisite: Admitted to Education Program.

**EDUC 323 Curriculum Development & Methods: Art Through Children's Literature (2 cr)**

Integrated theoretical and hands-on experience designed to prepare a student to work in a multi-subject, K-6 classroom. The course provides application of visual art by drawing examples from and parallels to children's literature and the theories of each. Projects integrate visual arts into all content areas. Prerequisite: Admitted to Education Program.

**EDUC 324 Curriculum Development and Methods: Mathematics and Science (3 cr)**

Theories and strategies of the teaching of mathematics grounded in field experiences with emphasis on techniques for thematic teaching of integrated Math and Science. The course includes the diagnostic and corrective assessment and instruction process and error analysis. Field experience includes observation and teaching experience under the guidance of the master teacher and University supervisor with a focus on teaching practice in Mathematics and Science. (20 Hours Field Placement in Schools Required) Prerequisite: Admitted to Education Program.

**EDUC 325 Diagnosis and Correction: Mathematics (3 cr)**

Advanced strategies to support teaching to foster school age students' mastery of mathematical concepts and skills through multiple representations of concepts, remediation to correct misconceptions or gaps in knowledge and error analysis. (20 Hours Field Placement in Schools Required) Prerequisite: Admitted to Education Program.

**EDUC 327 Curriculum Development and Methods: Music for Elementary Teachers (2 cr)**

Integrated, hands-on study of music and theory with parallels to the arts through a diverse selection of cultures designed to prepare the student to work in a multi-subject, K-6 classroom. Prerequisite: Admitted to Education Program.

**EDUC 333C Exceptionality and Diversity in the Classroom (3 cr)**

Overview of the characteristics and needs of exceptional and diverse learners. This course focuses on the curricular and instructional alternatives that address these needs. Emphasis will be on accommodations and modifications, data collection, assistive technology, and collaboration.

**EDUC 333F Exceptionality and Diversity in the Classroom Practicum (3 cr)**

Overview of the characteristics and needs of exceptional and diverse learners. This course focuses on the curricular and instructional alternatives that address these needs. Emphasis will be on accommodations and modifications, data collection, assistive technology, and collaboration. *(60 Hours Field Placement in Schools Required)* Prerequisite: Admitted to Education Program.

**EDUC 334 Reading in Content Areas (3 cr)**

Systematic introduction to current theory, research, and practice in the integration of literacy activities across content areas. Student work in cooperative groups to design, publish, and present a unit of study (or unit plan) using literacy strategies to address and assess content standards and objectives. The course involves simulated teaching, discussion, position papers, reflective papers, and peer response. *(30 Hours Field Placement in Schools Required)* Prerequisite: Admitted to Education Program.

**EDUC 341 Curriculum Development & Methods: Language Arts and Social Studies (3 cr)**

Study of Language Arts and Social Studies curriculum incorporating specific methods to prepare students to integrate Language Arts into K-6 content areas. Field experience includes observation and teaching experience under the guidance of the master teacher and University supervisor with a focus on teaching practice in Language Arts and Social Studies. *(10 Hours Field Placement in Schools Required)* Prerequisite: Admitted to Education Program.

**EDUC 350 Overview of Autism Spectrum Disorders (3 cr)**

This course provides an overview of Autism Spectrum Disorders with an emphasis on instructional and behavioral strategies and practical theories for classroom management. An emphasis will be placed on current research. A field component provides experiential learning. *(20 Hours Field Placement in Schools Required)* Prerequisite: Admitted to Education Program.

**EDUC 375 Special Projects (Variable 1-3 cr)**

Development of a student-selected and instructor-approved project directly related to the teaching process, which may incorporate field and University activities. This may include a course with specific content in public school governance. Prerequisite: Admitted to Education Program.

**EDUC 422 Special Education: Assessment & Methods – I (3 cr)**

Intensive study of assessment and instructional methods targeting behavior, reading, and spelling. Content will focus on these strategies that facilitate the use of the clinical teaching model with students with mild to moderate mental impairments, emotional and behavioral disorders, and specific learning disabilities. Field experience is in a special-education classroom, focusing on the development, implementation, and monitoring of behavior interventions and reading and spelling strategies. Prerequisite: EDUC 320 and admitted to Education Program. *(20 Hours Field Placement in Schools Required)*

**EDUC 423 Special Education: Assessment & Methods – II (3 cr)**

Continued study of assessment and instruction of students with mild to moderate mental impairments, emotional and behavioral disorders, and specific learning disabilities. Content will focus on written language, mathematics, social skills, functional behavior assessments, life skills, curriculum, and general content strategies. Field experience is in a special-education classroom, focusing on the development, implementation, and monitoring of strategies for increasing written language, mathematical, and social skills, as well as the evaluation of a variety of life-skills curricula. Prerequisite: EDUC 422 and admitted to Education Program. *(20 Hours Field Placement in Schools Required)*



**EDUC 435 Curriculum Development & Methods: Autism Spectrum Disorder (3 cr)**

This course emphasizes specific instructional strategies, methods, curricula, and classroom management for teaching students with Autism Spectrum Disorder. Students will study procedures for specialization, modifications and/or adaptation of materials and curriculum for these students, as well as learn how to develop and teach programs for individualized instruction. Knowledge of theory and practical experience will be applied through the required field components. Field Experience: *(30 hours of relevant field experience are required for this course.)*

**EDUC 441 Diagnosis and Correction: Reading and Language Arts (2cr)**

Lab-based extension of the assessment and instruction process through construction, administration, and interpretation of authentic reading and written language assessments; planning, teaching, and evaluating lessons that incorporate the instructional strategies acquired and practiced during class time. Prerequisite: EDUC 322 and admitted to Education Program. *(20 Hours Field Placement in Schools Required)*

**EDUC 450 Curriculum Development and Methods for Special Education in the Classroom (3 cr)**

This course emphasizes specific instructional strategies, methods, curricula, and classroom management for teaching students with moderate mental impairments, emotional and behavioral disorders, specific learning disabilities, and autism spectrum disorder. Students will study procedures for specialization, modification and/or adaptation of materials and curriculum for these students, as well as learn how to develop and teach programs for individualized instruction. Knowledge of theory and practical experience will be applied through the required field component. Prerequisites: EDUC 361 and admitted to Education Program. *(20 Hours Field Placement in Schools Required)*

**EDUC 473 WVTPA/Action Research (1 cr)**

Capstone activity in which students work with children in specific and assigned classes in a K-12 school in the licensure content and programmatic area(s), develop action research projects. They will prepare and present a summary of research-related activities and their results. Prerequisite: Department approval.

**EDUC 475 Student-Teaching Seminar (1 cr)**

Further development of knowledge and skills vital to successful teaching, examination of contemporary issues in education and development of a professional portfolio. This class is taken in conjunction with student teaching. Co-requisites: EDUC 475 and EDUC 481. Prerequisite: Department approval. \*EXSL

**EDUC 476 Evaluation (2 cr)**

Continuation of the development of the knowledge and skills needed to assess various aspects of teaching and achievement by all learners, the appropriate role of reflection and self-evaluation, the examination of research on assessment, and current reform movements. Also presented will be classroom, program, individual, formative, summative, traditional, and alternative assessment models. Prerequisite: Senior standing.

**EDUC 480 Student Teaching I (5 crs)**

A full semester (14 weeks) of teaching experience in specific and assigned classes in a K-12 school in the licensure content and programmatic area(s) under the direct supervision of a cooperating teacher selected by University faculty. Prerequisite: Department approval.

**EDUC 481 Student Teaching II (Variable 3 [ACT] – 11 cr)**

A full semester (14 weeks) of teaching experience in specific and assigned classes in a K-12 school in the licensure content and programmatic area(s) under the direct supervision of a cooperating teacher selected by University faculty. Prerequisite: Department approval.

**ENGL 102 College Writing (3 cr)**

Review of basic writing skills, stressing the elements of clear and effective writing. By placement, does not satisfy core curriculum requirement.

**ENGL 110 Process of Composition (3 cr)**

Elements of expository and persuasive essay writing; research techniques; revising prose for accuracy, precision and effective style. By placement. \*EC.

**ENGL 115W Explorations in Literature: Fiction, Poetry, and Drama (3 cr)**

This course will introduce students to various concepts and techniques of literary study using the genres of fiction, poetry and drama. Applying these fundamental tools of literary analysis, students will produce a variety of writing assignments. Prerequisite: ENGL 110. \*EC.

**ENGL 150 Culture and Conflict (3 cr)**

Students will examine selected topics related to global perspectives within literary studies. Assigned literary texts must include a variety of perspectives of characters and authors from different ethnic and cultural backgrounds. Course topics will vary by section. \*GLCP.

**ENGL 170 Introduction to World Myth and Folktale (3 cr)**

Students will survey myths and/or folktales rooted in the oral tradition from a variety of world cultures representing broad regions in such places as Africa, the Americas, Asia, Australia, and Europe. The course will frame our contemporary understanding of world myth and folktale through an examination of literary works and/or films that have adapted earlier myth and folktale in order to appeal to a modern audience. Course topics will vary by section. \*GLPC.

**ENGL 205W Thematic Topics in Literature I (3 cr)**

This writing-intensive core course will rotate every two years among several topics, such as "Literature of the Supernatural" (a historical and generic survey of literature that features supernatural elements), and "Literature and Nature" (literature that focuses upon human relationships to the natural world from the classical to contemporary eras). Prerequisite: ENGL 110; \*EC.

**ENGL 206W Thematic Topics in Literature II (3 cr)**

This writing-intensive core course will rotate every two years among several topics, such as "Literature of the Supernatural" (a historical and generic survey of literature that features supernatural elements), and "Literature and Nature" (literature that focuses upon human relationships to the natural world from the classical to contemporary eras). Prerequisite: ENGL 110; \*EC.

**ENGL 207W All the World's a Stage: Studies in Drama (3cr)**

This writing intensive core course will provide an in-depth examination of the elements of drama and the cultural experience of the theater. Topics will vary from a survey of historical periods and genre of drama to a focused study of one period, genre, or playwright. Prerequisite: ENGL 110 \*EC

**ENGL 215 Fairy Tale and Children's Literature (3 cr)**

This course will focus on the historical and cultural exploration of the concepts of the child and childhood in literature written both for and about children. Survey of dominant trends in British and American literature as reflected in the writings of the Romantic Period, the Victorian and Edwardian "Golden Age" of children's literature, and the multiculturalism of the twentieth and twenty-first centuries.

Prerequisite: ENGL 110 \*CTAH

**ENGL 216 Young Adult Literature (3 cr)**

This course will focus on the development of the young adult literary genre in the twentieth century. Readings will include primarily prose works related to gender, race, and cultural diversity, as well as thematic topics involving various issues such as coming of age, technology, and dystopia. The course will also explore critical approaches to identifying reading material determined to be appropriate for secondary English Language Arts classrooms.

Prerequisite: ENGL 110. \*CTAH

**ENGL 250W Foundations in Literature: Fiction, Poetry, and Drama (3 cr)**

This course will introduce students to various concepts and techniques of literary study using the genres of fiction, poetry and drama. Applying these fundamental tools of literary analysis, students will produce a variety of writing assignments. Prerequisite: ENGL

110. Core: EC

**ENGL 270 Classical Myth (3 cr)**

Students will examine the nature and function of myth in the ancient Mediterranean world, focusing upon the narrative and symbolic structure of myths, the cultural contexts of myths and the influence of myth upon later literature. Texts will include Greek and Roman epic, Greek drama and myths as represented in ancient and modern art. Prerequisite: ENGL 110 or permission of instructor. \*CTAH

**ENGL 271 Norse Myth (3 cr)**

Students will examine the nature and function of myth in the medieval Northern European world, focusing upon the narrative and symbolic structure of myths, the cultural contexts of myths (particularly in terms of religious and philosophical belief), and the influence of myth upon later literature. Texts will include the *Poetic* and *Prose Eddas*, as well as later works that draw directly and indirectly from Norse myth, such as Wagner's *Ring Cycle*, *Beowulf*, and Tolkien's *The Hobbit*. \*CTAH

**ENGL 275W Shakespeare (3 cr)**

This course will center on the life and works of Renaissance poet and playwright William Shakespeare. Students will study selected works—including sonnets, tragedies, comedies, and histories—with a particular focus on the dramatic, literary, historical, and cultural dimensions of Shakespeare's art. Prerequisite: ENGL 110. \*EC

**ENGL 280W Creative Writing (3 cr)**

In this course, students receive an introduction to several forms of creative written expression through the study of outstanding examples of published craft and the drafting of original work. Creative media may include creative nonfiction, dramatic writing for the stage or the screen, fiction, and poetry. Prerequisite: ENGL 110. \*EC.

**ENGL 281W Fiction Workshop (3 cr)**

Stephen King argues that to write well, one must first "read a lot." This course and its requirements are divided roughly into two halves: reading exemplary works of fiction in order to learn the tools of the fiction writer's craft and writing and revising original work in a workshop setting, where the work is discussed around a table with one's peers. Prerequisite: ENGL 110. \*EC.

**ENGL 282W Literary Nonfiction Workshop (3 cr)**

The first half of this course will be spent in studying exemplary works of creative nonfiction. In the second half of the course, emphasis will be placed on writing and revising original work in a workshop setting. Prerequisite: ENGL 110. \*EC.

**ENGL 283W Poetry Workshop (3 cr)**

This course begins with an exploration of the various formal approaches the poet can take in creative composition. Students will be required to write in several different forms as a way of experimenting with the discipline of line and meter, ultimately compiling a small portfolio (3-5 poems) of revised, polished work. Prerequisite: ENGL 110. \*EC.

**ENGL 284W Nature Writing Workshop (3 cr)**

This course focus on producing works of literary nonfiction and poetry that explore depictions of and ideas about the natural world. The emphasis of the course will be on writing and revising original work in a workshop setting. Prerequisite: ENGL 110 \* EC.

**ENGL 285W Screenwriting Workshop (3 cr)**

This course will divide emphasis equally between two tasks: studying excellent examples of Hollywood and independent screenwriting for short and feature films in order to learn the rudiments of assembling a story for the screen, and writing a short-form screenplay or fully developed cinematic scene of one's own. Prerequisite: ENGL 110. \*EC.

**ENGL 286W Life and Times of Famous Authors: Research Methods I (3 cr)**

This writing-intensive core course will rotate every two years among several single-author studies, focusing upon a selection of works by a famous literary author. Students will study the author's social, cultural, historical, and literary contexts while engaging in ethical research methods and implementing advanced writing skills. Prerequisite: ENGL 110. \*EC.

**ENGL 287W Life and Times of Famous Authors: Research Methods II (3 cr)**

This writing-intensive core course will rotate every two years among several single-author studies, focusing upon a selection of works by a famous literary author. Students will study the author's social, cultural, historical, and literary contexts while engaging in ethical research methods and implementing advanced writing skills. Prerequisite: ENGL 110. \*EC.

**ENGL 289W Digital Narratives (3 cr)**

This course will examine the principles of storytelling across a range of digital media formats, with attention to techniques for creating story-rich projects. Students will explore the role of agency, interactivity, story structure, and narrative, as well as the opportunities and challenges raised by emerging interactive and transmedia approaches to story-rich projects. Prerequisite: ENGL 110. \*EC.

**ENGL 301W British Literature I (3 cr)**

This course will examine the literary figures and movements from select periods within British literature, with a focus on the manner in which cultural, historical, and social elements influence the genres and themes within the literary period(s). It will rotate every two years between LIT 301 (Early British Literature) and LIT 302 (Later British Literature). Prerequisite: ENGL 110. \*EC

**ENGL 302W British Literature II (3 cr)**

This course will examine the literary figures and movements from select periods within British literature, with a focus on the manner in which cultural, historical, and social elements influence the genres and themes within the literary period(s). It will rotate every two years between LIT 301 (Early British Literature) and LIT 302 (Later British Literature). Prerequisite: ENGL 110. \*EC.

**ENGL 303W American Literature I (3 cr)**

This course will examine the literary figures and movements from select periods within American literature, with a focus on the manner in which cultural, historical, and social elements influence the genres and themes within the literary period(s). It will rotate every two years between LIT 303 (Early American Literature) and LIT 304 (Later American Literature). Prerequisite: ENGL 110; \*EC.

**ENGL 304W American Literature II (3 cr)**

This course will examine the literary figures and movements from select periods within American literature, with a focus on the manner in which cultural, historical, and social elements influence the genres and themes within the literary period(s). It will rotate every two years between LIT 303 (Early American Literature) and LIT 304 (Later American Literature). Prerequisite: ENGL 110; \*EC.

**ENGL 305 World Literature (3 cr)**

Students will read significant works of world literature by a variety of writers that represent different geographical areas, authors, texts, contexts, and topics. Prerequisite: ENGL 110. \*GLPC.

**ENGL 425 Literary Theory (3 cr)**

This course will introduce students to various literary theories and to strategies for applying these theories to specific literary texts. Survey will range from early writings on literature by Plato and Aristotle to the proliferation of theory in the twentieth century, including psychoanalytic criticism, formalism, reader-response theory, deconstruction and new historicism. Prerequisite: ENGL 110; or permission of instructor.

**ENGL 451 Jewelweed Literary Magazine Editing and Publication (1 cr)**

This course provides students with experience in the publication of literary magazines. Students will research literary magazines and learn about the literary journal publication process. In preparation for the publication of Wheeling University's undergraduate literary magazine, the Jewelweed, students may also engage in the following activities: reviewing and revising submission guidelines, advertising for and collecting submissions, proofreading and editing submissions, and designing and composing layouts. In addition, students will organize public literary readings.

**ENGL 452 Jewelweed Literary Magazine Advanced Editing and Publication (2 cr)**

This course provides students with advanced experience in the publication of literary magazines. Students will take on the responsibility of senior editorial roles in preparation for the publication of Wheeling University's undergraduate literary magazine, the Jewelweed. Students will engage in editorial activities such as reviewing and revising the magazine's editorial manual, reviewing and revising submission guidelines, advertising for and collecting submissions, proofreading and editing submissions, and designing and composing layouts. In addition, students will organize and facilitate public literary readings. Prerequisite: ENGL 451

**ENGL/W 473/74 Internship in English/Writing: 1, 2 or 3 cr**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL Repeat up to 6 cr.

**ENGL 484 Creative Writing Capstone Portfolio (3 cr)**

Under the direction of a faculty mentor, students assemble their best work produced in workshop classes plus additional work generated specifically for this course, in consultation with the mentor. Students create Artist Statements for their work and present a public reading or performance as part of the capstone. Prerequisite: ENGL 280W, 281W, 282W, 283W \*EPRT

**ENGL 486 Senior Literature Thesis I: Proposal and Research (1 cr)**

In this course, students will undertake the beginning stages of a major project requiring extended research and writing. This initial segment of the project requires a written proposal, an annotated bibliography, a progress report, and a rough draft. All phases will be supervised and evaluated by a faculty member in the literature program. Prerequisite: ENGL 110; ENGL 286W or 287W; and senior standing.

**ENGL 487 Senior Literature Thesis II: Revision and Presentation (2 cr)**

In this course, students will complete the major project they began in ENGL 487. This concluding segment of the project requires a second revised draft, a public presentation of the project's results, and a final polished revision of the paper at the end of the semester. All phases will be supervised and evaluated by a faculty member in the literature program. Prerequisite: ENGL 110; ENGL 286W or 287W; ENGL 486; and senior standing.

**ENGR 111 Fundamentals of Engineering I (3 cr)**

Foundations of Engineering I is an introductory course for the fields of engineering and is the first of a two-course sequence. Specific topics covered in ENGR 111 include: National Society of Engineers Code of Ethics, the heritage of engineering; a mathematics review; and an introduction to engineering mechanics (statics and dynamics). \*MSSN. \*EPRT.

**ENGR 112 Foundations of Engineering II (3 cr)**

Foundations of Engineering II is an introductory course for the fields of engineering and is the second of a two-course sequence. Specific topics covered in ENGR 112 include: project management; conservation of energy; analog and digital electric circuits; and machine design.

**ENGR 243 Engineering Mechanics, Statics (3 cr)**

Statics is the branch of engineering mechanics that is concerned with the analysis of forces on physical systems in static equilibrium. Statics will also help you interpret the forces supporting objects we encounter in our daily lives and lay the foundation for dynamics (ENGR 244) and Strength-of-Material (ENGR 245). Topics include: resultant force vectors and distributed forces; equilibrium of rigid bodies; centroids and centers of gravity; analysis of frames and machines, forces in beams, internal stresses, moments of inertia; and friction. Vector algebra will be used throughout ENGR 243. Prerequisite: MATH 191 and PHYS 141.

**ENGR 244 Engineering Mechanics, Dynamics (3 cr)**

Dynamics is the branch of Engineering Mechanics that is concerned with the motion of bodies under the action of forces. The study of dynamics has numerous engineering applications including: the mechanical design of an automobile or bicycle; the path of a projectile; and the design of highways. Topics include: kinematics, force-momentum formulation for systems of particles and rigid bodies in planar motion; and work-energy concepts. Prerequisite: ENGR 243.

**ENGR 245 Strength of Materials with Lab (4 cr)**

The strength of a material is its ability to resist external forces without breaking. Strength of Materials is the foundation for Engineering design courses. The course covers material behavior, stresses, strains and deformations with simple applications in engineering designs. Topics to be chosen from: elastic and elastic-plastic behavior; plane stress and strain; constitutive relationships, principal stress and strain; failure criteria; stresses in thin-walled pressure vessels; bending and shearing stresses in beams; Mohr's circle; deflections of beams; Euler buckling; short and long columns; torsion of solid and hollow circular sections; introduction to statistical indeterminacy and simple redundant structures; work and strain energy concepts.

Prerequisite: ENGR 243. \*MSSN. \*EPRT.

**ENGR 346 Thermodynamics (4 cr)**

Thermodynamics is one of the most basic of physical sciences and almost defines the fields of Chemical and Mechanical Engineering. Topics include: the application of First, Second, Third and Zeroth Laws of Thermodynamics; definitions of heat, work and energy; and the analysis of thermodynamic cycles. Prerequisite PHYS 241. ENGR 346 is offered as required.

**ENGR 347 Fluid Mechanics (4 cr)**

This class provides students with an introduction to principal concepts and methods of fluid mechanics. Topics covered in the course include pressure, hydrostatics, and buoyancy; open systems and control volume analysis; mass conservation and momentum conservation for moving fluids; viscous fluid flows, flow through pipes; dimensional analysis; boundary layers, and lift and drag on objects. Students will work to formulate the models necessary to study, analyze, and design fluid systems through the application of these concepts, and to develop the problem-solving skills essential to good engineering practice of fluid mechanics in practical applications. Prerequisite ENGR 244. ENGR 347 is offered as required.

**ENGR 350 Electric Circuits and Systems I (4 cr)**

Fundamental concepts in electrical circuits; circuit analysis and network theorems; linearity and superposition; series/parallel combinations of R, L, and C circuits; sinusoidal steady-state and complex frequency analysis; time-domain and frequency domain responses for passive and active circuits, and mutual inductance and transformers. Students will also become familiar with: Ohm's and Kirchoff's Laws. Prerequisite: PHYS 241. \*MSSN. \*EPRT.

**ENGR 352 Electric Circuits and Systems II (4 cr)**

Advanced topics electric circuits; Laplace transform circuit analysis; semiconductor electronics, digital circuits; and logic network designs, Karnaugh map, flip-flops and PLC applications, sensors and actuators; and analog-to-digital and digital-to-analog converters. Prerequisite: ENGR 350. S

**ENGR 448 Materials Science (3 cr)**

Modern science and technology are highly dependent on materials whose properties can be controlled to accommodate a wide range of applications. The multidisciplinary field of materials science outlines approaches to enhance the manipulation of existing materials and synthesis of new materials. Further, the study of materials science provides the basis for understanding material properties with respect to chemistry and atomic structure and the ability to tailor chemistry and structure to bring about specific properties. Topics include: structure and properties of solids; crystalline structure; defect structures; atom movement and diffusion; nucleation and growth; deformation; phase diagrams; strengthening mechanisms; heat treatment; ferrous/nonferrous alloys; ceramics; polymers; composites. Prerequisite: CHEM 151 and ENGR 245. ENGR 448 is offered as required.

**ENGR 454 Control System Engineering (3 cr)**

This course introduces the analysis of linear, time-invariant systems. Topics include: modeling of electrical and mechanical control systems; open and closed loop control; block diagrams; the time response of first and second order systems; s-plane system stability; frequency domain analysis, the Routh-Hurwitz criterion; and analysis and design with the root loci method. Prerequisite: ENGR 352.

**ENGR 470 Advanced Economic Analysis (3 cr)**

Engineering Economics is the process of making rational and intelligent decisions associated with the allocation of scarce resources in circumstances in which alternatives can be enumerated. This course develops the skills necessary to assess the costs and benefits of capital investments, such as product and technology development programs and capital purchases. It also presents the framework for selecting among alternative designs, for managing technologies over their lifecycles, and for evaluating the finances of new ventures/projects. Prerequisite: junior standing. ENGR 470 is dual listed with BUSN 470 and is offered as required.

**ENGR 473/4 Engineering Internship (1, 2, or 3 cr)**

Selection and direction of the internship will involve interaction with local communities or industries. Consent of the department is required. \*EXSL. May repeat up to 6 cr.

**ENGR 475 Project Management (3 cr)**

This foundation course covers key terminology, project management context, and the project management framework. This framework includes the principles of project management (PMBOK 7<sup>th</sup> Edition) the project management knowledge areas and the project process groups (PMBOK 6<sup>th</sup> Edition). Specific topics include: the project management institute code of ethics; organizational structures; the role of the project manager; requirements trade-off analysis; estimating; scheduling techniques (critical path method); and project performance analysis techniques (earned value analysis). This course aligns with the Project Management Institute (PMI) standards for professional certification as a certified Project Management Professional (PMP). Prerequisite: junior standing. ENGR 475 is dual listed with BUSN 475 and is offered as required.

**ENGR 476 Operations Management (3 cr)**

This course is an introduction to the field of operations management and focuses on how organizations transform inputs to products and services. This course is an introduction to the concepts, principles, problems, and practices of operations management. Topics include operations strategy, process analysis, Little's Law, the theory of constraints; supply chain analysis and planning; inventory control and warehouse management; logistics network design; and supply chain coordination. Prerequisite: junior standing. ENGR 476 is dual listed with BUSN 476 and is offered as required.

**ENGR 484 Engineering Capstone Project (3 cr)**

Capstone Senior Design (Capstone) is the final required course for the Bachelor's degree in Engineering Science and it provides the opportunity for students to integrate their curricular and experiential journeys into a semester-long team project with a real-world outcome. The Capstone experience applies the engineering sciences and other knowledge domains to the design of a system, component, product, process, and/or set of research inquiries. The Capstone projects reflect current, practical, and relevant industrial, mechanical and electrical engineering design projects and may involve a combination of all three disciplines. Prerequisite: Senior standing. \*MSSN. \*EPRT.

**ENVS 115 Environmental Conservation and Energy Sustainability (3 cr)**

An introduction to the study of energy for electrical power generation and transportation, including sustainable and non-sustainable energy sources. The social, economic and environmental impacts and effectiveness of these alternatives will be evaluated.

**EPSC 111 Earth Science Orientation (1 cr)** This course addresses the topics on "Why we need to know about our planet Earth?" Students will be given an orientation of the various evolutionary geophysical processes taking place on Earth, and how these processes and human efforts in various areas can influence the climate on Earth. \*EANS

**EPSC 120 Earth History (3 cr)** This course covers the topics on the history of Earth, which include the formation of rocks and fossils. Student learn about various processes occurring over geological time, e.g. volcanic eruptions, earthquakes, movement of tectonic plates, tsunamis, etc. Prerequisite: EPSC 110 \*EANS

**EPSC 240 Earth Fluid Mechanics** This class provides students with an introduction to principal concepts and methods of fluid mechanics. Topics covered in the course include pressure, hydrostatics, and buoyancy; open systems and control volume analysis; mass conservation and momentum conservation for moving fluids; viscous fluid flows, flow through pipes; dimensional analysis; boundary layers, and lift and drag on objects. Students will work to formulate the models necessary to study, analyze, and design fluid systems through the application of these concepts, and to develop the problem-solving skills essential to good engineering practice of fluid mechanics in practical applications. Prerequisite: EPSC 110, 120 \*EANS

**EPSC 310 Earth Surface and Climate Dynamics (3 cr)**

This course provides a strong interdisciplinary advanced training in Earth system sciences based on topics covering solid Earth, oceans, climate, atmosphere, hydrosphere and biosphere dynamics and their related complexities. Prerequisite: EPSC 110, 120, 240, MATH 191, 192, PHYS 141, PHYS 142 \*EANS

**EPSC 442 Geophysics and Planetary Structure (4 cr)**

This course is designed to provide students with theoretical, field, and laboratory experience in studying geodynamic processes and the structure of the Earth and other planets. It is designed for students with strong physics and mathematics ability. Prerequisite: EPSC 310, MATH 191, 192, PHYS 141, PHYS 142, PHYS 241, PHYS 242 \*EANS

**ESLL 190 Foundations of ESL (3 cr)**

Course introduces the theories, methods, and people of ESL.

**ESLL 191 Language Acquisition and Development (3 cr)**

Course focuses on the concepts of language acquisition.

**ESLL 240 The DuoLingo Impact (3 cr)**

Course will examine the duolingo app, through student use, and its positive and negative impacts on language learning and the implications this has on future language learning.

**ESLL 340 Sociolinguistics (3 cr)**

Course will focus on language variation and change, develop language variation and change and how this variation can reflect social structures, construct diverse social identities, allowing the language user to make sense of the surrounding social landscapes \*GLCP

**ESLL 341 Supporting Second Language Learners, Families, and Communities (3 cr)**

Course examines the relationship of language use and language policy of immigrants and refugees. \*GLCP

**EXSC-120 Introduction to Exercise Science (2cr)**

This is the gateway course for Exercise Science. This course covers the initial beginnings of modern-day exercise science disciplines, professionalism, organizations related to the field, certifications, academic progression beyond the undergraduate degree, and opportunities existing upon graduation, and legal/liability issues. Some anatomy and physiology as they relate to exercise will also be addressed. This course is the pre-requisite course to all other EXSC classes.

**EXSC-212 Motor Development (3cr)**

This course is a view of the processes and mechanisms underlying the development of motor skills. Topics such as progressive motor patterns, cognitive, emotional, and physiological development, as well as fundamental motor development milestones in children will be discussed. In addition, this class also looks at motor activity across the lifespan inclusive of infancy, childhood, adolescence, adulthood, and old age. Pre-requisite: EXSC 120.

**EXSC-222 Kinesiology (3cr)**

Heavy emphasis on applied kinesiology pertaining to general musculoskeletal anatomy and joint dynamics related to degrees-of-freedom, planes of motion, arthrokinematics and osteo-kinematics will be addressed. The student will learn muscle origins, insertions, and nerve innervations of key muscles that promote movement as well as bony landmarks with regards to the skeletal system. The student will gain a very thorough foundation of the muscles responsible for human movement. Pre-requisite: BIOL-150/151; BIOL-152/153; EXSC-120; EXSC-212.

**EXSC-231 Emergency Care and First Aid/CPR (2cr)**

This course is designed to prepare the student to be able and capable in emergency situations, whether in an athletic environment or day-to-day life situations. Roles played by EMT's / Paramedics / Athletic Trainers will be addressed as well as the legalities and potential liabilities that may exist when providing emergency care as a good Samaritan. The student will be required to certify in CPR/AED. First Aid certification will be recommended and encouraged.



**EXSC-312 Exercise Physiology I (3cr)**

Exercise physiology is a foundational course in all matters of exercise science. An understanding of how the body is affected by acute increases in activity (i.e., physical labor, physical activity, exercise, etc.), as well as the chronic changes that occur with exercise and the factors that affect positive changes to those who consistently are physically active will be addressed. Pre-requisite: BIOL-150/151; BIOL-152/153; EXSC-222. Co-requisite: EXSC-313.

**EXSC-313 Exercise Physiology I Lab (1cr)**

This lab corresponds with EXSC-312 lecture and provides hands-on experience pertaining to the measurement of physiological variables during exercise. Assessment of health-related parameters including cardiovascular fitness, muscular strength, muscular endurance, flexibility, body composition via both field and laboratory tests will occur. In addition, measurements in blood pressure, heart rate, respiratory rate, and other physiological variables will also be addressed. The initial preparation for a research project also begins with this course including the scientific process and IRB submission. Co-Requisite: EXSC-312.

**EXSC-321 Principles of Strength and Conditioning (3cr)**

This course is designed to provide a comprehensive overview of strength and conditioning. Emphasis will be placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics), nutrition, exercise safety and technique, needs analysis, program design, testing, and evaluation. NSCA certifications will be discussed and encouraged. Pre-requisite: EXSC 312/313.

**EXSC-325 Sport Rehabilitation (3 cr)**

This course addresses the basics of Musculo-skeletal rehabilitation of common injuries which could be sustained while participating in sports or recreational activities. Education in the process of inflammation, repair, and remodeling will occur as well as discussion of various protocols, progressions, and applications for injuries incurred which affect bone, nerve, ligament, tendon, muscle, and skin. A general knowledge will be gained by the student related to rehabilitation in a safe and conscientious manner. Roles played by ATC's, PT's, PTA's, Coaches, and Strength & Conditioning Specialists will also be provided. Pre-requisite: EXSC 222.

**EXSC-330 Nutrition in Sport and Exercise (3cr)**

This course provides foundational principles in nutrition and caloric management. It focuses on what balance should be attained relating to carbohydrate, fat, and protein intake, caloric output and input, hydration, electrolyte management, body composition, and the unique needs of various athletes in various sports.

**EXSC-431 Cardiovascular Assessment and Cardiac Rehabilitation (3cr)**

Heavy emphasis will be placed on the anatomy and physiology of cardio-pulmonary systems and peripheral circulation, hemodynamics, and regulation of circulatory performance. The cardiac cycle, heart sounds, and intrinsic electrical control of the heart are part of the academic challenge in this course. EKG interpretation, 12-lead placement, and various GXT protocols for those with cardiac and pulmonary compromises will be presented. In addition, the field of cardiac rehab as well as pulmonary rehab will be included. Pre-requisite: EXSC 312/313.

**EXSC-441 Exercise Prescription for Special Populations (3cr)**

This course provides an overview of the disease pathophysiology, the effects on the exercise response, exercise application, and exercise management in those suffering from chronic diseases and disabilities. Selected topics including cardiovascular disease, respiratory disease, diabetes, obesity, frailty, pregnancy, muscular-skeletal disorders, and many other maladies will be presented. Pre-requisite: EXSC 312/313.

**EXSC-451 Exercise Physiology II (3cr)**

This course builds on the foundational exercise physiological concepts which were taught in Exercise Physiology I. EP II progresses to exercise training/adaptations, environmental influences on performance, optimizing performance in sport, gender considerations, and physical activity for health and fitness. The effect of CV disease, diabetes, and sedentary lifestyle will be reviewed and discussed. Pre-requisite: EXSC 312/313. Co-requisite: EXSC-452.

**EXSC-452 Exercise Physiology II Lab (1cr)**

This lab is intended to be taken in conjunction with EXSC-451 lecture. Various exercise testing protocols utilizing the treadmill, cycle ergometers, VO<sub>2</sub>/RER/RMR measurements, and further assessments in both health-related (cardio-vascular, muscular strength, muscular endurance, flexibility, and body composition) and skill-related parameters (agility, balance, coordination, power, speed, reaction time) are presented. The completion of the research project started in EXSC-313 lab should be completed in time for WU's Student Research Symposium. Pre-requisite: EXSC-312/313; Co-requisite: EXSC-451.

**EXSC-453 Special Topics in Exercise Science (1cr)**

The course will meet once a week and encompass many of the current exercise-related issues that affect our lives. A variety of areas where exercise is utilized, including rehab, sports, health, fitness, and function will be explored through current evidence-based research and articles. Critique and assessment of research articles will also be presented and required of the student. Pre-requisite: EXSC-451.

**EXSC-483 Exercise Science Practicum (3cr)**

The student will be required to participate in a practicum at a facility, or in a program, that is matched to their particular path (clinical, health & fitness, etc.). The student is responsible for securing a site at which to complete their practicum experience. Approval is required by the faculty advisor. A packet and guidelines will be issued to the student and the site for reference. The student will be evaluated by their on-site supervisor, as well as their faculty advisor. The practicum requires 135 contact hours over the course of the semester which is approximately 10 site contact hours per week. *Please note: The student has the option of sitting for a quality certification in an exercise-related field in lieu of a practicum experience. Certifications in personal training, strength and conditioning, health and fitness are some examples. These are to be from well-known professional organizations such as the ACSM, NSCA, ASEP, NASM, ACE, etc. Approval from the course instructor and EXSC Program Director is required. The student must pass the exam successfully and attain certification in order to receive a passing grade in this course.* Pre-requisite: EXSC-312/313. S4 \*EXSL

**GEOG 101 Introduction to Geography (3 cr)**

This course considers how the key geographic concepts of place and space and how these special physical characteristics have shaped human historical and present interactions, cultures, economics, and the environment in all world regions. \*CTSS

**GEOG 121 World Geography (3 cr)**

A thematic survey aimed at understanding the contemporary world through an analysis of physical/environmental and cultural regions. Special attention is given to problems of social and technological change, political geographic disputes, and population growth. Cross-listed as GSCI 121. \*GLCP

**GIST 110 Introduction to Geographic Information Systems (GIS) (3 cr)**

Introduction to GIS is designed to provide the students with an understanding of the methods and theories of spatial analysis that will allow students to apply GIS knowledge and skills to everyday life and their chosen careers, to apply the course towards a certificate separately or as part of any major, and to prepare them for success in upper division courses in GIS.

**GIST 120 GIS Databases and Enterprise GIS (3 cr)**

This course is designed to reinforce basic GIS fundamentals and to build skills in GIS data acquisition including finding, making, and importing spatial data and attributes and evaluating their quality, preprocessing GIS data to make them usable, and GIS data management in both local and enterprise spatial database systems using ArcGIS from ESRI.

**GIST 210 Cartography (3 cr)**

Cartography is a science of communicating spatial information with maps. The purpose of this course is to learn the concepts, principles, and techniques related to maps and map making. Students are expected to develop knowledge and expertise in map types, data selection, compilation, display, design, mapping tools & production techniques, and communication.

**GIST 220 Intermediate Geographic Information Systems (GIS) (3 cr)**

This course focuses on the study of spatial data structures and the display, manipulation, and analysis of geographic information. Students will study the technical aspects involved in spatial data handling, analysis and modeling. Instruction will include theories and procedures associated with the implementation and management of GIS projects.

**GIST 273/74 Internship in Geography/GIS: 1, 2, or 3 cr**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. \*EXSL Repeat up to 6 cr.

**GIST 310 Advanced Geographic Information Systems (GIS) (3 cr)**

This course is a project-based exploration of advanced topics in GIS and geospatial technology, with a focus upon spatial modeling, advanced spatial analysis and geoprocessing, spatial data manipulation, and geo-computation.

**GSCI 115 Integrated Sciences I (3 cr)**

An integrated science and math course for the non-science major. The course investigates science and the scientific method through selected topics in the traditional fields of biology, chemistry, physics, and earth and space science. Math topics are integrated as appropriate. A hands-on, student-centered approach is taken. Lab and lecture are integrated with the course meeting for 90 minutes three times per week. \*EANS

**GSCI 120 Integrated Sciences II (3 cr)**

An integrated science and math course for the non-science major. The course investigates science and the scientific method through selected topics in the traditional fields of biology, chemistry, physics, and earth and space science. Math topics are integrated as appropriate. Topics include sound and waves, electricity, astronomy, and geology. A hands-on, student-centered approach is taken. (Required for Elementary Education majors.) \*EANS

**GSCI 121 World Geography (3 cr)**

A thematic survey aimed at understanding the contemporary world through an analysis of physical/environmental and cultural regions. Special attention is given to problems of social and technological change, political geographic disputes, and population growth Cross-listed as GEOG 121.

**GSCI 215 Concepts of Microbiology and Epidemiology (2 cr)**

The recognition of normal flora occurring on/within the human body, invasion processes, control mechanisms for the prevention of the spread of microorganisms and the effects of the infection by certain specific microbes will be covered. Principles of immunology are covered as well.

**GSCI 216 Concepts of Microbiology and Epidemiology Lab (2cr)**

This course is designed to integrate the lab with the concepts of Microbiology and Epidemiology. This lab provides students with the knowledge and skills necessary to understand microbial characteristics, growth, genetics, and interactions of microorganisms while enacting a simulated epidemiology scenario. Corequisite: GSCI 215.

**GSCI 330 Principles of Science Instruction (3 crs)** This course enables Science Education majors to learn how to instruct science courses at secondary and post-level.

**HCMT 200 Healthcare Policy, Law & Governance (3 cr)**

A course directed towards health care majors that provides a foundation of Healthcare Policy, Law & Governance used in classrooms and clinical experiences; Explores duties and responsibilities of health care policy, law and governance related settings as well as recent trends in relation to hospitals and patient care management. \*MSSN. \*EPRT.

**HCMT 320 Management Techniques - Health Sciences (3 cr)**

An introduction to the principles, practices and problems of management encountered in the allied health professions. \*MSSN.

**HCMT 321 Introduction to Research in Health Care (3 cr)**

An introduction to research methods in the health care field. The class offers a systematic explanation of research theory and methods, which are applied in the development of a research proposal. \*EANS

**HCMT 335 Literature Review & Proposal (3 cr)**

This course allows students to frame a research proposal supported by an associated literature review as basis for capstone project. \*EPRT.

**HCMT 410 Management for Healthcare (3 cr)**

The course examines management concepts in healthcare with exposure to case management and applied practice.

**HCMT 425 Hospital Trends and Issues (3 cr)**

A course directed towards health care majors that provides a foundation of medical terminology, used in classrooms and clinical experiences; Explores duties and responsibilities of health care related settings as well as recent trends in relation to hospitals and patient care management.

**HCMT 487 Healthcare Management Internship/Practicum (1, 2, or 3 cr)**

Selection and direction of the internship will involve interaction with local communities, hospitals, or healthcare organizations and providers. Consent of the department required. \*MSSN. \*EPRT. \*EXSL. May repeat up to 6 cr.

**HIST 110 World History I (3 cr)**

The course surveys the cultural, economic, political, and social developments that have shaped the world from Pre-History to c. 1200 CE. \*GLCP

**HIST 115 World History II (3 cr)**

The course surveys the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. \*GLCP

**HIST 120W Historical Methods (3 cr)**

The content of these courses (in terms of both geographic area and historical period) varies from instructor to instructor. All are designed to familiarize students with the methods and procedures used by historians in researching and writing about important historical trends and events. Course activities include using primary and secondary sources; developing a sense of interpretation grounded in creative, but responsible scholarship; improving writing skills in analytical, response and research papers; and giving oral presentations.

**HIST 150 Studies in Art History (3 cr)** This course will explore major works of world art and architecture both from a purely formal perspective as well as within the particular cultural contexts that produced them. Two broad periods of art history will be explored in alternating rotation: Classical Art and Archaeology through the Romanesque, and Western Art and Architecture from the Gothic through Modernism. \*CTAH

**HIST 211 History of the American People I (3 cr)**

This course is an introduction to selected topics in American civilization from the colonial period to 1877. The objective of the course is to provide the student with a general but comprehensive understanding of American exploration, colonization, the Independence movement, the birth of American democracy, political party development, industrialization, reform movements, sectionalism, and reconstruction.

**HIST 212 History of the American People II (3 cr)**

This course explores the social, cultural, political, intellectual, and economic development of the United States after the Civil War. Specific topics include, but are not limited to: Reconstruction, Industrialization, Immigration, the Labor Movement, the Great Depression, World War II, the Cold War, Civil Rights, the Vietnam War era, and the Conservative Revival of the 1970s and 1980s.

**HIST 214 History of Appalachia (3 cr)**

An introduction to the history of the institutions and people of the Appalachian mountain region from the earliest years of exploration to the present. \*GLCP

**HIST 351 Western Tradition I (3 cr)**

This course is a broad survey of Europe's political, social, economic and cultural traditions with a stress on selected problems viewed from conflicting historical interpretations. Students will make use of both primary and secondary literature and make oral and written reports on the problems they have studied. \*CTAH

**HIST 352 Western Tradition II (3 cr)**

This course is a broad survey of European political, social, economic and cultural traditions and how those traditions have been spread throughout the world. Stress will be placed on selected problems viewed from conflicting historical interpretations. Students will use primary and secondary sources and make oral and written presentations on the problems they have studied. \*CTAH

**INFO 110 Introduction to Information Technology Systems and Professional Applications (3 cr)**

An introduction to the general fields of study of Computer Science, including a discussion of different programming languages, their styles and strengths. This course emphasizes the methodology of structured programming in a high-level language (currently Java) and introduces basic data structures and elementary algorithms. An emphasis is placed on reusable software tools, good documentation and top-down design. Programming and other written assignments are included. Prerequisites: Previous programming experience is helpful. A strong mathematics background is required.

**INFO 210 Computing and Coding (3 cr)**

This course undertakes a study and analysis of the issues that must be considered in designing an interface for any computer application, software or system. Human factors, user models, data visualization techniques, usability testing and the various components of interactive systems are considered. While the emphasis here is not on web applications, the features under discussion will apply to web design as well. The student will do some programming and interface design using an appropriate language or package.

**INFO 306 Networking and Network Design Security (3 cr)**

The goal of this course is to provide future professionals with a solid network security foundation. To that end, the following topic areas will be explored: risk analysis, security policy development, physical IT security, security controls, auditing, forensics, and reporting. This course is an elective for all Information and Computer Science majors, but is not limited to those students.

**INFO 330 Database Design and Management (3 cr)**

The goal of this course is to familiarize the student with the processes of designing, deploying, and using a database management system. Students will be introduced to relational databases, the MySQL database management system, structured query language, and the PHP and Perl programming languages. The course will take the student all the way from installation of the system through full-fledged database implementation. INFO 110 is a hard prerequisite. INFO 330 is a required course for all information science majors, but is not limited to those students (assuming the prerequisites are met).

**INFO 420 Real World IT: Computer Systems/Cloud Computing Administration (3 cr)**

This course will acquaint the student with the setting up, managing and upgrading of a networked server platform. Issues covered include: installing and using software, managing user accounts, configuring network software, security issues, installing and using networking hardware, and a variety of other topics. This course is required for the Information Science major and is an elective for the Computer Science major

**INFO 435 Real World IT: Software Engineering (3 cr)**

The goal of this course is to provide future professionals with a solid Computer Engineering foundation. To that end, the following topic areas will be explored: software processes, Agile development, requirements gathering, systems modeling, software design, implementation, testing, software dependability, and Software security engineering.

**MAT 511-80 Basic Science I (2 cr)**

This online course is designed to develop an understanding of language used by medical professionals.

**MAT 512-80 Athletic Training Science I (2 cr)**

This online course is designed to bring forward previously learned anatomy knowledge and apply it to the practice of athletic training. Students will appreciate the basics of anatomical surface palpation to identify landmarks, bony structures, and muscles, as well as muscular attachments, actions, and nerve innervations.

**MAT 513-80 Clinical Science I (1 cr)**

This curriculum in the Master of Science of Athletic Training Program is based on the Problem-Based Learning philosophy of learning which utilizes an integrated approach where objectives are driven patient/client cases. This course is designed to introduce students to the Problem-Based Learning model and the tutorial process.

**MAT 514-80 Professional Issues I (1 cr)**

This online course will allow students to explore professionalism and expectations of an Athletic Trainer. Professional resources from the Board of Certification (BOC) and the National Athletic Trainers' Association (NATA) will be presented. Students will also be introduced to the database used to manage Clinical Education experiences and tools to evaluate clinical performance.

**MAT 521 Basic Science II (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore structures and functions of the body in healthy and impaired states with primary focus on the lower extremity and trunk. This course includes study of bones, joints, muscles, peripheral nerves, connective tissues, body composition, circulation and energy management, injuries, and pathologies related biomechanics of the body, posture during stance and ambulation, principles of exercise prescription, and pharmacological considerations. Topics are integrated closely with client cases introduced in Clinical Science II. Students will be encouraged to develop critical thinking and problem-solving skills, as well as begin to develop the ability to use scientific literature to discuss evidence-based approaches in the relevant topics.

**MAT 522 Athletic Training Science II (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on the lower extremity and trunk. Orientation to basic Athletic Training prevention, assessment, and rehabilitative procedures will be utilized in individual and small group activities, allowing students to develop skills necessary for competence in clinical practice. The activities will be closely related to the patient/client cases presented in Clinical Science II.

**MAT 523 Clinical Science II (3 cr)**

This course is a Problem-Based tutorial designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on the lower extremities and trunk. The instructor will guide students in the acquisition of professional behaviors and facilitate clinical reasoning and decision-making. Students will also develop sound documentation practices.

**MAT 524 Professional Issues II (2 cr)**

This is the second course in the thread of Professional Issues. This course will focus on Athletic Training Education Competencies, legal practice concerns (state practice acts, supervision and documentation guidelines in the clinic as an Athletic Training Student, billing considerations, fraud and abuse, and interprofessional collaboration for effective patient care), professionalism matters (technology, health care informatics, social media, professional responsibilities, ethics, professional relationships, verbal/nonverbal/written communication), and safety issues (CPR/First Aid/Emergency Action Plan training, HIPAA/standard precautions, FERPA).

**MAT 525 Research & Evidence-Based Practice I (2 cr)**

This course is designed to foster an understanding of research, development, and critical analysis of Athletic Training practice through evidence. This course will also introduce overall organization and elements of a clinical research project, principles of hypothesis writing, basic statistical and epidemiological concepts, and the process of submission for Institutional Review Board (IRB) approval. Students will be guided in the process of developing a systematic review of literature. Students will be directed to work with a faculty member to develop their research topic and begin composition of their written research project.

**MAT 526 Clinical Education I (3 cr)**

Fall/Winter Sport Rotation. Students are assigned to a sport and are supervised in the clinical practice of Athletic Training skills.

**MAT 531 Basic Science III (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore structures and functions of the body in healthy and impaired states with primary focus on the upper extremity, head, spine, and thorax. This course includes study of bones, joints, muscles, peripheral nerves, connective tissues, body composition, circulation and energy management, injuries, and pathologies related biomechanics of the body, and pharmacological considerations. Topics are integrated closely with client cases introduced in Clinical Science III. Students will be encouraged to develop critical thinking and problem-solving skills, as well as begin to develop the ability to use scientific literature to discuss evidence-based approaches in the relevant topics.

**MAT 532 Athletic Training Science III (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on the upper extremity, head, spine, and thorax. Further development of skills and techniques used in Athletic Training for prevention, assessment, and rehabilitative procedures will be encouraged in order to improve competency in clinical practice. The activities will be closely related to the patient/client cases presented in Clinical Science III.

**MAT 533 Clinical Science III (3 cr)**

This course is a Problem-Based tutorial designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on the upper extremity, head, spine, and thorax. The instructor will guide students in the acquisition of professional behaviors and facilitate clinical reasoning and decision-making. Students will further develop sound documentation practices.

**MAT 534 Professional Issues III (2 cr)**

This is the third course in the thread of Professional Issues. This course will focus on organization and administration in Athletic Training. Interprofessional communication and collaboration will be reinforced and students will participate in activities for Interprofessional Education (IPE) as well as design, organize, and implement the of management of Athletic Training facilities, personnel, and resources.

**MAT 535 Research & Evidence-Based Practice II (2 cr)**

This is the second course in the thread of Research & Evidence-Based Practice. This course will allow students to analyze literature and summarize findings to further develop their written research project and ultimately prepare the Athletic Training Capstone.

**MAT 536 Clinical Education II (3 cr)**

Winter/Spring Sport Rotation. Students are assigned to a sport and are supervised in the clinical practice of Athletic Training skills.

**MAT 541 Basic Science IV (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore various systems and functions of the body in healthy and impaired states with primary focus on general medical conditions involving the cardiovascular, respiratory, neurological, endocrine, gastrointestinal, genitourinary/reproductive, and integumentary systems. Concussions, behavioral health, and cancer will also be discussed. Topics are integrated closely with client cases introduced in Clinical Science IV. Students will be encouraged to further develop critical thinking and problem-solving skills, as well as the ability to use scientific literature to discuss evidence-based approaches in the relevant topics.

**MAT 542 Athletic Training Science IV (3 cr)**

This course uses a Problem-Based Learning approach and is designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on general medical conditions involving the cardiovascular, respiratory, neurological, endocrine, gastrointestinal, genitourinary/reproductive, and integumentary systems. Concussions, behavioral health, and cancer will also be discussed. Further development of skills and techniques used in Athletic Training for prevention, assessment, and rehabilitative procedures will be encouraged in order to improve competency in clinical practice. The activities will be closely related to the patient/client cases presented in Clinical Science IV.

**MAT 543 Clinical Science IV (3 cr)**

This course is a Problem-Based tutorial designed to allow students to explore the application of Athletic Training interventions for prevention, evaluation, management, and rehabilitation for a variety of pathologies, impairments, functional limitations, and participation restrictions. Primary focus will be on general medical conditions involving the cardiovascular, respiratory, neurological, endocrine, gastrointestinal, genitourinary/reproductive, and integumentary systems. Concussions, behavioral health, and cancer will also be discussed. The instructor will guide students in the acquisition of professional behaviors and facilitate clinical reasoning and decision-making. Students will further develop sound documentation practices.

**MAT 544 Professional Issues IV (1 cr)**

This is the fourth course in the thread of Professional Issues. This course will focus on current issues in Athletic Training, professional development (life-long learning and membership for professional advocacy), and professional writing tasks (resume, cover letter, etc.). Students will also prepare to begin the application process to sit for the Board of Certification (BOC) Exam.

**MAT 555 Athletic Training Capstone (1 cr)**

During this course, students will finalize and submit a written composition of the Athletic Training Capstone project to the research advisor. Students will also develop a poster and platform presentation of their project. Students will present their projects at the end of this term.

**MAT 556 Immersive Athletic Training Practicum Experience (6 cr)**

Students are assigned to a clinical education experience and are supervised in the clinical practice of Athletic Training skills.

**MAT 557 BOC Exam Prep (2 cr)**

This online review course is designed to help students prepare for the Board of Certification (BOC) Exam. This course will cover test strategies, as well as key topics related to the following Domains:

- Injury and Illness Prevention and Wellness Promotion
- Examination, Assessment, and Diagnosis
- Immediate and Emergency Care
- Therapeutic Intervention
- Healthcare Administration and Professional Responsibility

**MATH 101 Algebra Review (3 cr)**

A review of topics from elementary and intermediate algebra, including first order equations, exponents and radicals, polynomials, quadratic expressions, quadratic equations, rational expressions, linear and nonlinear systems of equations, inequalities and the binomial theorem. This course is preparatory and will not satisfy the University's core curriculum requirement in mathematics. F, S

**MATH 102 Math in Society (3 cr)**

This course is designed to meet the needs of students who do not have a specific mathematics course required by their major. The fundamental properties of numbers, geometry and statistics are covered through the collection of modern and useful applications of mathematics. \*MR

**MATH 109 College Algebra and Problem Solving (3 cr)**

This course is designed to strengthen the student's pedagogy in mid-elementary, middle school, and practical mathematics. The course goal is to equip students to answer the question "how can I prepare myself and my students (and/or children) to be competent mathematics students?" Students will develop skills and gain the content knowledge necessary to be an effective, competent, and student-centered mathematics teacher.

**MATH 115 Introduction to Statistics (3 cr)**

Descriptive statistics including measures of central tendency and variability, graphic representation, probability, the binomial, normal and T distributions, hypothesis testing and linear regression. Prerequisites: none.

**MATH 151 Pre-Calculus (3 cr)**

A thorough preparation for calculus with analytic geometry, including conic sections, and the transcendental functions: logarithmic, exponential and trigonometric functions. Prerequisite: none.



**MATH 191 Calculus I (4 cr)**

A theoretical introduction to differential calculus including limits, continuity, the basic rules for derivatives and applications including optimization problems. A brief introduction to integration leading to the Fundamental Theorem of Calculus completes this course. Prerequisite: MATH 151 or equivalent.

**MATH 192 Calculus II (4 cr)**

Transcendental functions, applications of integrals, volumes of revolution, surface areas; techniques of integration, including powers of trigonometric functions, integration by parts and by partial fractions, improper integrals, infinite series, Taylor's expansion and indeterminate forms. Prerequisite: MATH 191.

**MATH 193 Calculus III (4 cr)**

Vectors and vector valued functions, extrema of multivariate functions and the method of Lagrange multipliers, surfaces in three dimensions, line and surface integrals; multiple integration and Stokes' Theorem. MATH 193 is offered as required. Prerequisite: MATH 192.

**MATH 212 Ordinary Differential Equations (4 cr)**

ODEs of first order: linear, homogeneous, separable and exact; with applications; orthogonal trajectories; those of second order: reducible to first order, general and particular solutions by the methods of undetermined coefficients, variation of parameters and power series; and an introduction to numerical methods and Laplace Transforms. MATH 212 is offered as required. Prerequisite: MATH 192.

**MATH 215 Scientific Statistics (3 cr)**

An introduction to scientific statistics with emphasis on experimental design methods such as random assignment, block design, factorial crossings and repeated measures. Various statistics analyses, such as analysis of variance and analysis of covariance are applied to the appropriate design. Offered every spring semester. Prerequisite: MATH 191

**MATH 216 Applied Probability and Statistics (3 cr)**

An introduction to probability: discrete and continuous random variables (binomial, geometric, hypergeometric, Poisson, normal, and exponential), sampling distributions, multivariate distributions and hypothesis testing. Covers the statistical analyses skills necessary to determine whether data is meaningful and how to predict, understand, and improve results. Prerequisite: MATH 192.

**MATH 235 Discrete Mathematics (3 cr)**

This course covers sequences, sets and relations, logic and truth tables, Boolean algebra, logic gates, combinatorics, probability, graph theory, algorithms, matrix algebra and determinants. MATH 235 is offered as required. Prerequisites: MATH 191 or equivalent.

**MATH 250 Geometry (3 cr)**

This course presents the fundamentals of plane, solid and non-Euclidean geometries. Topics include the history of mathematical thought and reasoning, measurement, congruence, similarity, parallelism, perpendicularity and methods of proof.

**NURS 201 Pathophysiology (2 cr)**

Pathophysiology will focus on the comprehension of the following body systems; endocrine, neurological, cardiac, respiratory, and renal as a foundation for nursing care. It requires correlations between normal and abnormal A & P as well as the processes resulting in the manifestations of disease. Prerequisites: none.

**NURS 203 Health Assessment (2 cr)**

This course introduces the concepts and techniques of health and cultural assessment of individuals and families across the life span, for use with the nursing process. Emphasis is on history taking, inspection, palpation, percussion, and auscultation. Normal assessment findings, frequently, seen variations from normal, and cultural differences are discussed. The course introduces the concept of physical assessment across the lifespan. Prerequisites: successful completion of, PSYC 110, BIOL 150.

**NURS 215 Concepts of Microbiology & Epidemiology (2 cr)**

The recognition of normal flora occurring on/within the human body, invasion processes, control mechanisms for the prevention of the spread of microorganisms and the effects of the infection by certain specific microbes will be covered. Principles of immunology are covered as well.

**NURS 227 Clinical Nutrition (2 cr)**

A study of clinical nutrition as it relates to the nurse's role in promoting health. Grade options: A-F. Prerequisites: none. Offered: Fall and Spring.

**NURS 230C Fundamentals of Nursing (Clinical) (2 cr)**

Fundamentals of nursing provides the student with all the nursing concepts and skills needed as a beginning nurse. It is a study and practice of basic patient care. Prerequisites: successful completion of NURS 227, BIOL 150, PSYC 110. Offered: Fall and Spring

**NURS 230D Fundamentals of Nursing (3 cr)**

Fundamentals of nursing provides the student with all the nursing concepts and skills needed as a beginning nurse. It is a study and practice of basic patient. Prerequisites: successful completion of NURS 227, BIOL 150, PSYC 110. Offered: Fall and Spring.

**NURS 235 Community & Public Health Nursing (3 cr)**

This course is an introduction to the study of public and community health nursing. It focuses on nursing service delivery through community diagnosis and investigation of major health and environmental problems, health surveillance, and monitoring and evaluation of community and population health status for the purposes of preventing disease and disability and promoting, protecting, and maintaining health.

**NURS 309C Intro into Nursing (Clinical) (3 cr)**

This course examines the fundamental principles of the delivery of care for the medical surgical population. Health care issues and diseases are explored and students are introduced to basic nursing concepts. This course also covers the study of public health and community nursing. Prerequisite: successful completion of NURS 227, BIOL 150, BIOL 152, PSYC 212, GSCI 215. Co-requisite: NURS 230. Offered: Fall and Spring.

**NURS 309D Intro into Nursing (3 cr)**

This course examines the fundamental principles of the delivery of care for the medical surgical population. Health care issues and diseases are explored and students are introduced to basic nursing concepts. This course also covers the study of public health and community nursing. Prerequisites: successful completion of NURS 227, BIOL 150, BIOL 152, PSYC 212, GSCI 215. Co-requisite: NURS 230. Offered: Fall and Spring.

**NURS 319C (O) Maternal Health (Clinical) (2 cr)**

This course focuses on the care of clients with acute healthcare needs with emphasis on the maternal and newborn client. Health care (normal and abnormal) aspects of each client population. Health care issues are explored. Grade Option: A-F. Prerequisites: NURS 227, NURS 230, NURS 309, NURS 327, NURS 329. Offered: Fall and Spring.

**NURS 319D (O) Maternal Health (3 cr)**

This course focuses on the care of clients with acute health care needs with emphasis on the maternal and newborn client. Health care (normal and abnormal) aspects of each client population. Health care issues are explored. Grade Option: A-F. Prerequisites: NURS 227, NURS 230, NURS 309, NURS 329. Offered: Fall and Spring.

**NURS 320C Medical/Surgical Nursing 1 (Clinical) (2 cr)**

This course examines the care of patients with multisystem needs throughout the lifespan with major emphasis on the adult client. Lifelong care and prevention of complications are emphasized. Grade Option: A-F. Prerequisites: NURS 230, NURS 309, NURS 329. Offered: Fall and Spring.

**NURS 320D Medical/Surgical Nursing 1 (3 cr)**

This course examines the care of patients with multisystem needs throughout the lifespan with major emphasis on the adult client. Lifelong care and prevention of complications are emphasized. Grade Option: A-F. Prerequisites: NURS 230, NURS 309, NURS 329. Offered: Fall and Spring.

**NURS 326C Mental Health Nursing (Clinical) (2 cr)**

This course focuses on mental illness specifically diagnosis, etiology, and treatments. The study of mental health is essential in order to understand the rationale for medical and psychological therapies. The nurse, as the regulator of the clinical environment, needs an understanding of these in order to coordinate nursing care. Grade Option: A-F. Prerequisites: NURS 329, NURS 309. Offered: Fall and Spring.

**NURS 326D Mental Health Nursing (3 cr)**

This course focuses on mental illness specifically diagnosis, etiology, and treatments. The study of mental health is essential in order to understand the rationale for medical and psychological therapies. The nurse, as the regulator of the clinical environment, needs an understanding of these in order to coordinate nursing care. Grade Option: A-F. Prerequisites: NURS 329, NURS 309. Offered: Fall and Spring.

**NURS 327 Elements of Nursing Research (3 cr)**

This course is designed to introduce students to the process of research. Principles, types, and methods of research will be examined as they apply to the principles of evidence-based practice in the care of individual families, and communities. Peer-reviewed research will be retrieved, critically appraised, and synthesized with regards to design, level of evidence, rigor, dissemination/translation to practice, and conduct to protect the rights of research subjects. Prerequisites: MATH 115. Offered: Fall only.

**NURS 328 Evidence Based Nursing Research and Informatics (3 cr)**

This course introduces and addresses the role of research in professional nursing practice including conduct of research, critical review of analysis of research, research sources utilization and dissemination, and the role of evidence-based practice in decision making and clinical practice. in nursing and evidenced based practice. The course will cover critiquing research, appraising evidence and implementing evidence in the clinical setting. Prerequisites: NUR 361, Successful completion of Statistics or by permission of the instructor

**NURS 329 Pharmacology (3 cr)**

Assessing a patient's response to drug therapy as an ongoing nursing responsibility. This course presents the principles of pharmacology as related to the nurse's role in the assessment of the patient while promoting health. Prerequisites: none-junior standing in the department of nursing. Offered: Fall and Spring.

**NURS 330 Pharmacology II (2 cr)**

Assessing a patient's response to drug therapy as an ongoing nursing responsibility. This course presents the principles of pharmacology as related to the nurse's role in the assessment of the patient while promoting health. Prerequisite: NURS329 Pharmacology I

**NURS 335 Community & Public Health Nursing (3 cr)**

This course is an introduction to the study of public and community health nursing. It focuses on nursing service delivery through community diagnosis and investigation of major health and environmental problems, health surveillance, and monitoring and evaluation of community and population health status for the purposes of preventing disease and disability and promoting, protecting, and maintaining health.

**NURS 361 Concepts of Nursing Practice (3 cr)**

This course introduces and addresses the role of research in professional nursing practice including conduct of research, critical review of analysis of research, research sources utilization and dissemination, and the role of evidence-based practice in decision making and clinical practice. in nursing and evidenced based practice. The course will cover critiquing research, appraising evidence and implementing evidence in the clinical setting.

**NURS 405C Medical/Surgical Nursing II (Clinical) (4 cr)**

This clinical experience includes interventions in acute crisis as well as monitoring and promoting health maintenance. Prerequisites: NURS 309, NURS 320. Offered: Fall, Spring, and Summer.

**NURS 405D Medical/Surgical Nursing II (3 cr)**

This course examines the care of patients with multisystem needs throughout the lifespan with major emphasis on the adult client. Lifelong care and prevention of complications are emphasized. Prerequisites: NURS 309, NURS 320. Offered: Fall, Spring, and Summer.

**NURS 406C Pediatrics/Genetics (Clinical) (2 cr)**

This course focuses on the care of the pediatric client and their family with acute healthcare needs who require adaptation across the lifespan. This course focuses on the needs of the child as a unit where they play, live and go to school. Prerequisites: NURS 309, NURS 320. Offered: Fall, Spring, and Summer.

**NURS 406D Pediatrics/Genetics (2 cr)**

This course focuses on the care of the pediatric client and their family with acute healthcare needs who require adaptation across the lifespan. This course focuses on the needs of the child as a unit where they play, live and go to school. Prerequisites: NURS 309, NURS 320. Offered: Fall, Spring, and Summer.

**NURS 422C Critical Care Nursing (Clinical) (2 cr)**

This course examines care of the client with complex needs. Emphasis is placed on setting priorities in acute crisis as well as long term health to prioritize and make decisions while delivering complex care in varied settings. Prerequisites: NURS 320. Offered: Fall and Spring.

**NURS 422D Critical Care Nursing (3 cr)**

This course examines care of the client with complex needs. Emphasis is placed on setting priorities in acute crisis as well as long term health to prioritize and make decisions while delivering complex care in varied settings. Prerequisites: NURS 320. Offered: Fall and Spring.

**NURS 423C Leadership and Role Development/Precepting (Clinical) (4 cr)**

This course is the clinical portion for senior year nursing students to complete their precepting before graduation. Prerequisites: NURS 320, NURS 405. Offered: Fall and Spring. \* EXSL

**NURS 423D Leadership and Role Development (2 cr)**

This course is designed as the didactic portion for senior year nursing students completing their precepting before graduation. The course is composed of case studies that are presented by the faculty and by the students to enable the students to combine knowledge from didactic learning with hands on nursing care. Prerequisites: NURS 320, NURS 405. Offered: Fall and Spring.

**NURS 426 Nursing Trends and Issues (2 cr)**

This course focuses on analysis and discussion of current trends in nursing and the health care delivery system. Included is the consideration of the historical, social, political, economic, legal and ethical forces interacting with the issues in nursing. Prerequisites: None. Offered: Fall and Spring.

**NURS 435 Multi-System Nursing Care (3 cr)**

This course explores the client with multi-system needs. The focus for the BSN completion student is the utilization of selected concepts relevant to long term chronic health needs. Offered: Fall only.

**NURS 440 Health Promotion and Disease Prevention (2 cr)**

This course provides a clinical experience with a focus on the care of the client with multi-system needs in chronic illness with the focus on health promotion. The clinical experience should focus on health promotion, health maintenance, health education, and continuity of care in using a holistic approach to the individual, family, group, and community with multi-system needs. It is expected that the RN student will have the clinical experience at an agency or on a unit other than the current place of employment.

**NURS 445 Population Health Nursing (2 cr)**

This course focuses on providing the RN-BSN student with a comprehensive foundation to design nursing strategies for populations, including the individuals, families and groups within communities.

**NURS 450 Nursing Leadership and Management (2 cr)**

This course focuses on clinical management of clients with complex needs applying the principles of case management and leadership. The clinical component (48 clinical hours) is intended to broaden the student's experience and to deepen knowledge and skill in nursing management. The student is expected to be actively involved in the management process and analysis of management concepts and practices, integrating principles of nursing management. The clinical component of this course is a total of 72 hours, 48 hours spent with a preceptor and 24 hours directly related to work involved with the Change Project.

**NURS 455 Population Health Nursing II (2cr)**

This course discusses the clinical management of clients utilizing the principles of case management. This course is a continuation of Nursing 445 and is designed to provide students with a basic foundation of current and future management issues, technologies, and processes that impact on the delivery of nursing care.

**NURS 460 Comprehensive Health Assessment (3 cr)**

This course covers interviewing strategies, general history taking, patient and family history, importance of family/family roles. It will cover assessment of communities, populations at risk, resources, and databases. It will entail assessment of head, eyes, ears, nose, and throat. Also, it will cover lymph nodes, as well as skin, hair, and nail assessments. The course covers advanced assessment of heart, lungs, and circulatory systems, abdominal, bowel, and bladder function along with pelvic and prostate exams as well as assessment of sexual history. It will entail assessment of muscular, skeletal and neurological systems and, lastly, it will assess special populations that are vulnerable.

**NURS 480 NCLEX Prep I (1 cr)**

The purpose of this course is to assist the senior level student in beginning to review nursing knowledge for the NCLEX-RN Exam. The course will help to develop skills in test taking strategies and review specific nursing content areas. Prerequisites: None. Offered: Fall, Spring, and Summer.

**NURS 481 NCLEX Prep II (2 cr)**

The purpose of this course is to assist the senior level student in beginning to review nursing knowledge for the NCLEX-RN Exam. The course will help to develop skills in test taking strategies and review specific nursing content areas. Prerequisites: NURS 480 NURS 405, C & D, NURS 406 C& D. Offered: Fall and Summer.

**NUTR 101 Scientific Foundations of Nutrition (2 cr)**

Students will explore basic concepts integral to the science of nutrition. This course emphasizes metabolic and physiologic principles underlying digestion and absorption of nutrients, chemical structure and metabolic fate of nutrients, the biochemical role of nutrients in maintaining health, and the effects of over- and under-nutrition on disease pathogenesis.

**NUTR 201 Community Nutrition (3 cr)**

This course focuses on nutrition and health problems of specific community settings, and examines practices of nutrition services in various settings.

**NUTR 301 Nutrition throughout the Lifespan (3 cr)**

This course explores the role of nutrition in human development, from prenatal to older adulthood.

**NUTR 401 Nutrition and Illness (3 cr)**

This course focuses on the principles of nutrition therapy and prevention. Students will examine nutrient needs related to specific chronic illnesses, including cardiovascular disease, cancer, obesity, and diabetes.

**NUTR 473 Internship (2 cr)**

This course will allow the student to obtain field placement in which the student, placement agency and faculty share responsibility for the provision and acquisition of practical experience in a nutrition-related setting of the student's interest.

**PHIL 115 Philosophy of the Human Person (3 cr)**

A philosophical study of the human person as a being who, while embodied in nature, is capable of rationally knowing, freely choosing, and creatively acting as a unique individual open to communion with others and with transcendent.

\*CTAH

**PHIL 305 Ethics (3 cr)**

How ought human beings live in society? A study of the nature, types and criteria of values, with an in-depth study of ethical principles and their applications to certain contemporary moral problems, e.g., abortion, euthanasia, capital punishment, war and peace. \*PTER

**PHYS 107 Astronomy I (3 cr)**

Introduction to and historical outline of astronomy and development of physical laws used to describe the solar system, space, stars, galaxies, the universe and some observational techniques. \*EANS

**PHYS 108 Geology (3 cr)**

Introduction to physical geology, internal structures of the earth, dynamical features, plate tectonics, crust and lithosphere production, balance and movement, oceans, seashore, continents, inland water and ice sheets. \*EANS

**PHYS 141 Physics I (3 cr)**

An algebra-based introduction to the concepts and methods of physics: I; Kinematics and Newtonian Mechanics in 1 - d, Work and Energy, Gases, Fluids, Thermodynamics, Modern Physics: II; Newtonian Mechanics in 2-d, Electricity and Magnetism, Waves, Sound and Optics. Student should have a background in College Algebra and basic Trigonometry. \*EANS.

**PHYS 142 Physics Lab I (1 cr)**

Experiments designed to supplement the lecture course and to provide proficiency in the methods of measurements, the analysis and presentation of data and the interpretation of results. Corequisite: PHYS 141.

**PHYS 207 Astronomy II (3 crs)**

This course is an extension to Astronomy I and covers the topics of astronomy to learn the physical processes of the celestial objects which include our Sun, various other star systems, birth and death of stars, celestial distances, black holes, active galaxies, life in the universe, etc. Math topics are integrated as appropriate. Lectures and labs are integrated. \*EANS

**PHYS 241 Physics II (3 cr)**

An algebra-based introduction to the concepts and methods of physics: I; Kinematics and Newtonian Mechanics in 1-d, Work and Energy, Gases, Fluids, Thermodynamics, Modern Physics, II; Newtonian Mechanics in 2-d, Electricity and Magnetism, Waves, Sound and Optics. Prerequisites: PHYS 141 and PHYS 142. \*EANS

**PHYS 242 Physics Lab II (1 cr)**

To be taken concurrently with PHYS 241. Experiments designed to supplement the lecture course and to provide proficiency in the methods of measurements, the analysis and presentation of data and the interpretation of results. Corequisite: PHYS 241.

**POSC 120 American Political Process (3 cr)**

Operations of the American government and their consequences for the population. Policies on management of the economy, defense and foreign policy, poverty, race relations. Roles of the Presidency, bureaucracy, Congress, courts. Nature of elite and mass political ideas and opinions. \*CTSS

**POSC 211 Comparative Politics (3 cr)**

An introduction to comparative politics as an approach and as a body of knowledge. Several aspects of various selected foreign systems will be compared (such as governments, political parties, interest groups, political culture, etc.). \*CTSS

**POSC 212 Comparative Politics (3 cr)**

This course serves as an introduction to the study of global politics. Different approaches of studying the relations between countries; the forces that motivate countries (nationalism, ideology, etc.); and the instruments available to them (power, international law, etc.) will be discussed. The politics of global issues such as human rights, the environment, population growth and free trade will also be considered. \*GLCP

**PSYC 101 Introduction to the Psychology Major (1 cr)**

An exploration of the field of psychology through personal development and service-learning. Required for all Psychology majors.

**PSYC 110 General Psychology (3 cr)**

A survey of contemporary psychology, including the topics of conditioning and learning, sensation and perception, psychophysiology, motivation and emotion, memory and cognition, development, social behavior, psychological testing, personality, psychopathology and psychotherapy. Participation in research projects or an alternative exercise is required. \*CTSS

**PSYC 115 Statistics for the Behavioral Sciences (3 cr)**

Students will learn to analyze and interpret data using descriptive and inferential statistics. Measures of central tendency, variability and hypothesis testing using parametric and non-parametric tests will be discussed. Correlation, tests, regression, z-scores, chi square and analysis of variance will be presented. The course will make significant use of the SPSS computer analysis program. Prerequisite: PSYC 110 with grade of C+ or better.

**PSYC 130 States of Consciousness (3 cr)**

A seminar examining theoretical and empirical bases of human consciousness, noting physiological correlates. Topics include sleep, dreaming, hypnosis, meditation, biofeedback, sensory deprivation, drug-induced states and death, as well as the cultural shaping of ordinary consciousness. Prerequisite: PSYC 110.

**PSYC 152 Introduction to Family Studies and Human Development (3 cr)**

A study of family and human development. This course will emphasize lifespan development within the family context. Examines individual and family development throughout early years, childhood, adolescence, adulthood, and late adulthood

**PSYC 211 Experimental Psychology (4 cr)**

An introduction to the principles and methods of experimental psychology, with laboratory investigation. Prerequisite: PSYC 115 with a grade of C or better.

**PSYC 212 Developmental Psychology (3 cr)**

An analysis of development throughout the lifespan, with a special emphasis on various theoretical approaches to development. Prerequisite: PSYC 110.

**PSYC 214 Child Psychology (3 cr)**

A study of the physiological, intellectual, social, and emotional factors in child development. The course will emphasize contextual factors that influence child development outcomes. Students taking this course should not take PSYC 212. Prerequisite: PSYC 110.

**PSYC 216 Adolescent Psychology (3 cr)**

A study of basic research and theories concerning development in the adolescent years. Prerequisite: PSYC 110. Required for 5-12 content specialization licensure.

**PSYC 220 Educational Psychology (3 cr)**

A study of the cognitive and affective dimensions of student behavior with an emphasis on the theoretical conceptions of learning which underlie education methods. Prerequisite: PSYC 110.

**PSYC 221 Applied Behavior Analysis (3 cr)**

This course is about the ways in which environmental contingencies modify behavior in individuals. The conceptual framework, broadly called “applied behavior analysis” (ABA) is a set of principles for describing and testing environment/behavior relationships using single-subject research methods. Prerequisite: PSYC 110.

**PSYC 222 Child Psychopathology (3 cr)**

A study of the central issues in childhood psychopathology including theoretical and methodological issues, descriptions of disorders, clinical and research data, and social, familiar, and ethical concerns. We will emphasize the integration of the processes of normal development with the occurrence of problem behaviors and learn the neurobiological, genetic, psychological, family, peer, cultural, and gender influences on the cause and treatment of childhood disorders. As part of their coursework, students will become certified in the Child and Adolescent Needs and Strengths (CANS) assessment procedure. Prerequisite: PSYC 110.

**PSYC 235 Intimate Human Relations (3 cr)**

A data-based study of biological, religious/historical, cultural and individual determinants of intimate human behavior. Prerequisite: PSYC 110.

**PSYC 238 Psychopharmacology (3 cr)**

Examination of how drugs affect our behaviors, thoughts and emotions. The course will address the impact of psychopharmacological use and abuse in society, how drugs can alter neuronal information processing, pharmacodynamics, analysis of pharmacological agents with particular attention given to the psychological effects of these drugs and the applicability of pharmacological agents to the treatment of psychopathologies. Prerequisite: PSYC 110.

**PSYC 240 Foundations of Social Work (3 cr)**

Foundations of social work is a seminar and experiential-learning course designed to explore an overview of the social work field. The primary goal is for students to understand what social work entails and how it is implemented by professionals. The course explores the theoretical, ethical, economic, political, cultural, and justice forces that impact the field on a macro level. With that foundation, students work through the stages of the profession: engagement, assessment, intervention, and termination at a micro level. This course delves into the marginalized and vulnerable populations of our society to prepare students to be empathic, knowledgeable professionals. Prerequisite: PSYC 110.

**PSYC 250 Sport Psychology (3 cr)**

An examination of sports from an empirical point of view with emphasis on behavioral/learning principles as they apply to the influence of sports on athletes and spectators. Prerequisite: PSYC 110.

**PSYC 262 Psychology in Film (3 cr)**

The course will take a problem-based pedagogical approach. Each week, students will be shown a film and specific questions will be presented for them to address in written commentary. To do this effectively, the student will need to reflect upon and apply psychological theories, hunt down additional information concerning each film, competently analyze a variety of film character/writer/director aspects (behaviors, motivations, social influences, etc.) and provide personal beliefs and interpretations. Prerequisite: PSYC 110.

**PSYC 300 Directed Research (1, 2, or 3 cr)**

Under the direction of a faculty member, students design and carry out empirical research in psychology. Psychology majors only. Prerequisite PSYC-211 with a grade of C or higher.

**PSYC 311 Physiological Psychology (4 cr)**

A study of the physiological correlates of human behavior, especially the relationship between the brain and behavior. Prerequisite: PSYC 110.

**PSYC 312 Physiological Psychology Lab (1 cr)**

A study of the physiological correlates of human behavior, especially the relationship between brain and behavior; Research Elective. Psychology majors only. Prerequisites: PSYC 211 with grade of C or higher. Co-requisite: PSYC 311.

**PSYC 313 Motivation and Emotion (4 cr)**

A study of motivational and emotional processes from physiological, individual, and social standpoints; data-based theories of motivation and emotion evaluated. Prerequisite: PSYC 110.

**PSYC 314 Social Psychology (4 cr)**

A study of the effects of the group on individual behavior, including the topics of aggression, compliance, obedience, attraction, and person perception. Prerequisite: PSYC 110.

**PSYC 315 Tests and Measurements (4 cr)**

An analysis of psychological tests and measurements, including tests of intellectual level, specific aptitude and personality; test construction, reliability, validity, norming procedures and ethical issues emphasized. Research elective. Psychology majors only. Prerequisite: PSYC 211 with grade of C or higher.

**PSYC 316 Tests and Measurements Lab (1 cr)**

An analysis of psychological tests and measurements, including tests of intellectual level, specific aptitude and personality; test construction, reliability, validity, norming procedures and ethical issues emphasized. Research elective. Psychology majors only. Prerequisite: PSYC 211 with grade of C or higher. Co-requisite: PSYC 315.

**PSYC 317 Cognitive Psychology (4 cr)**

An introduction to the higher mental processes from an experimental point of view, including the topics of memory and attention, thinking, creativity, language behavior and cognitive development. Prerequisite: PSYC 211 with grade of C or higher.

**PSYC 318 Cognitive Psychology Lab (1 cr)**

An introduction to the higher mental processes from an experimental point of view, including the topics of memory and attention, thinking, creativity, language behavior and cognitive development. Prerequisite: PSYC 211 with grade of C or higher. Co-requisite: PSYC 317.



**PSYC 319 Sensation and Perception (4 cr)**

A study of the reception and interpretation of sensory information, including the study of how sensory receptors function and factors which affect perceptual organization. Prerequisite: PSYC 110.

**PSYC 320 Learning (4 cr)**

An introduction to the basic theoretical, experimental, and applied concepts in learning with particular emphasis on operant and classical conditioning. Prerequisite: PSYC 110.

**PSYC 321 Learning Lab (1 cr)**

An introduction to the basic theoretical, experimental, and applied concepts in learning with particular emphasis on operant and classical conditioning. Research Elective. Psychology majors only. Prerequisite PSYC-211 with a grade of C or higher. Co-requisite: PSYC 320.

**PSYC 322 Sensation and Perception Lab (1 cr)**

A study of the reception and interpretation of sensory information, including the study of how sensory receptors function and factors which affect perceptual organization. Psychology majors only. Prerequisite PSYC-211 with a grade of C or higher. Co-requisite: PSYC 319.

**PSYC 323 Motivation and Emotion Lab (1 cr)**

A study of the motivational and emotional processes from which physiological, individual and social standpoints, data-based theories of motivation and emotion evaluated. Research Elective. Psychology majors only. Prerequisite PSYC-211 with a grade of C or higher. Co-requisite: PSYC 313.

**PSYC 324 Social Psychology Lab (1 cr)**

A study of the effects of the group on individual behavior, including topics of aggression, persuasion, attitudes, compliance, obedience, attraction, and person perception. Research elective. Psychology majors only. Prerequisite PSYC-211 with a grade of C or higher. Co-requisite: PSYC 314.

**PSYC 330 Personality (3 cr)**

A survey of the various theories of personality, including psychoanalytic, behavioral, phenomenological and dispositional, and the study of various methods for assessing personality. Prerequisite: PSYC 110.

**PSYC 335 Psychotherapy (3 cr)**

A discussion of assessment techniques, empirically-based treatments, strategies for prevention of treatment of mental illnesses and ethical issues in therapy. Prerequisite: PSYC 110

**PSYC 340 Abnormal Psychology (3 cr)**

A study of the major predisposing and precipitating factors in the development of abnormal behavior, with emphasis on the biological, social, and cultural factors involved. Prerequisite: PSYC 110.

**PSYC 350 Health Psychology (3 cr)**

An investigation of factors that promote health, as well as those contributing to illness and behaviors related to illness. Research methods of gathering data within this developing field are stressed. Prerequisite: PSYC 110.

**PSYC 381 Junior Seminar (1 cr)**

This course will provide students with an opportunity to assess their educational progress to date and to make plans for future study and career endeavors. Please note that we will assess not only academic preparation, but also students' interests, emotional development, and life goals. Successful completion of the course should enable students to move easily into their senior year with confidence and clear goals. Prerequisite: PSYC 110 and junior standing.

**PSYC 410 Advanced Statistics and Data Management (1 cr)**

Seminar course designed to introduce the student to advanced statistical analysis and data management techniques, which will be further emphasized in a graduate-level setting. The course begins with a brief review of basic statistics and SPSS computing procedures. Topics then include non-parametric statistical procedures, qualitative data analysis, partial correlation, analysis of covariance, multivariate analysis of variance, multivariate analysis of covariance, multiple linear regression, factor analysis, discriminate analysis, cluster analysis, path analysis, logit modeling and trend analysis. Data management issues concern determining the appropriate statistical analysis to use for a given data set, interpretation and evaluation of published research and discussion of issues related to missing, outlying and improperly coded data. Prerequisite: PSYC 211 with grade of C or higher and permission of instructor.

**PSYC 420 History and Systems of Psychology (4 cr)** An overview of the roots of scientific psychology in philosophy and experimental physiology, and a detailed examination of the systems of structuralism, functionalism, behaviorism, humanism, Gestalt psychology and psychoanalysis.

**PSYCH 473/74 Internship in Psychology (1, 2 or 3 cr)**

Internship in Psychology (1, 2 or 3 credits): This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. Repeat up to 6 cr.

**PSYC 481 Senior Seminar (1 cr)**

This course will provide students with a capstone for the Psychology major. Successful completion of the course should enable students to move easily into graduate school or employment settings.

**SOCI 110 Introduction to Sociology (3 crs)** This course provides a general orientation to human societies, interactions, and behaviors. \*CTSS

**SOCI 121 World Community (3 cr)**

An introduction to the global environment. Topics include world geography, comparative cultures, international conflict and economic interdependence. \*GLCP

**SOCI 261 Sociology of Sports (3 cr)**

This course will help students understand the institution of sport in American society and internationally and its interrelationship with other social institutions (educational, political, economic, religious, media, etc.). It will also help the students to understand the social consequences—desirable and undesirable—of sports in society in the areas of social problems, such as racism, sexism, and violence as they are reflected in sport context in societies.

**SPAN 101 Introduction to Spanish I (3 cr)**

This is the first in a series of two introductory-level Spanish language classes. The focus will be on the development of listening, speaking, reading, writing, and culture. It is intended primarily for students who have not studied the language or have had less than one year of Spanish at the high school level.

**SPAN 102 Introduction to Spanish II (3 cr)**

This is the second of two introductory-level Spanish language classes. The focus will be on the continued development of listening, speaking, reading, writing, and culture. It is intended primarily for students who have more than one year of Spanish at the high school level or for those who have completed the first introductory course. Prerequisite: SPAN 101 or placement

**SPAN 161 Hispanic Civilization and Culture (1 cr)**

Introduction to the diversity of cultures of Spain and Latin America. This course is taught in English.

**SPAN 203 Intermediate Spanish I (3 cr)**

This is the first in a series of two intermediate-level Spanish language classes. The focus will be on the development of communicative proficiencies within culturally significant contexts. Prerequisite: SPAN 102 or placement.

**SPAN 204 Intermediate Spanish II (3 cr)**

This is the second in a series of two intermediate-level Spanish language classes. The focus will be on the continued development of communicative proficiencies within culturally significant contexts. Prerequisite: SPAN 203 or placement

**SPAN 221 Spanish for the Medical Professions (3 cr)**

This course emphasizes essential medical terminology and language situations in the medical professions. Prerequisite: SPAN 102 or instructor's permission

**SPAN 224 Business Spanish (3 cr)**

This course emphasizes essential business terminology and language situations in business contexts. Prerequisite: SPAN 102 or instructor's permission

**SPAN 230 Spanish Conversation and Composition (3 cr)**

This course has an emphasis on conversational skills in the context of everyday experiences and the development of basic composition skills, grammar and syntax. Prerequisite: SPAN 204 or placement

**SPMT 220 Sport Management (3 cr)**

This course introduces the various aspects of athletics, intramural, sport and recreation administration. The course studies the intricacies involved in the management and leadership of sport programs. Specific management techniques, administration techniques and theories will be studied to provide the foundation for effective leadership and supervision of sport programs.

**SPMT 225 Sociology of Sports (3 cr)**

This course will provide the students the understanding of institutions of sport in American society and its relationship with other social institutions (educational, political, economic, religious, media, etc.), and awareness of the way social values are transmitted through sports and critically analyze these values and their influence on behavior.

**SPMT 250 Sport Sales Management (3 cr)**

This course focuses on developing and maintaining relationships with customers and managing the sales process of finding, concerting, and keeping customers while achieving the organization's goals. Communication techniques, career planning, selling strategies and tactics as well as sales duties, responsibilities, and problems are included.

**SPMT 255 Sport Media and Content Production (3 cr)**

This course will present an overview of the roles of reporting and broadcasting with respect to sporting events. Topics covered will include trends and philosophies of sport reporting, the working of the sports desk, the history of radio and television sports broadcasting, as well as the business of sports reporting and sports broadcasting. The advances in technology as applied to sports reporting and broadcasting will also be covered.

**SPMT 320 Sport Ethics (3 cr)**

This course will provide students with an exposure to some of the ethical issues that arise in the field of sports and to install in them the foundations they need to deal with those ethical issues that they will face in the working world. The students will discuss the standards for identifying, evaluating, and deciding an ethical dilemma.

**SPMT 325 Sport Finance (3 cr)**

This course consists of study in areas of financing, marketing, promotion, and fundraising within the context of interscholastic, intercollegiate, amateur, and professional sports. It provides students in sport administration with a basic knowledge and understanding of the principles of sport finance as it applies to the sport industry.

**SPMT 340 Sport Marketing (3 cr)**

This course examines the areas of marketing, promotion, and fundraising within the context of interscholastic, intercollegiate, amateur, and professional sports. The course will include an overview of the past and present sport business industry and marketing; sport marketing theory and systems; the content, pricing, distribution, and promotional techniques of the sport product; media relations, endorsements and sponsorships; and licensing. \*EPRT.

**SPMT 345 Economics and Governance of Sport (3 cr)**

This course is designed as an in-depth study of the economics of major sport governing agencies. Specifically, the students will study the organizational structure, constitutions, policies, procedures, and membership requirements of sport agencies at the state, national and international levels.

**SPMT 401 Sports Facility and Event Management (3 cr)**

This course is intended to provide a comprehensive knowledge base for the management of sport facilities. In addition to sport facilities this course is also applicable to any number of public assembly facilities, including music theaters, auditorium, convention centers, and high school and college arenas and stadiums.

**SPMT 402 Sports Law (3 cr)**

In this course, students will gain an overview of sports and its relationship to various categories of law, as well as study the ethics, legal liabilities and responsibilities of coaches, administrators, managers, and institutions related to the sport field.

**SPMT 410 Senior Seminar for Sport Management (3 cr)**

This course serves as a capstone course in sport marketing-management for senior level students. This capstone course integrates concepts from the business core and all 200-, 300- and 400-level sport marketing-management courses as well as common best practices.

**SPMT 471 Internship in Sport Management (3 cr)**

This course is designed to give the student practical experience and application in several aspects of athletic coaching with an approved firm/organization. The internship is only available to students majoring in sport management and junior/senior status is required. \*EXSL.

**SPMT 480 Sport Sponsorship and Sales (3 cr)**

This course will cover special investigation into specific areas and applications in the field of sport sponsorship sales. Emphasis will be on research studies and emerging issues, trends and technologies related to sport sponsorship sales management.

**THEO 115 The Religious Quest (3 cr)**

An introduction to how people addresses such “religious” issues as faith, doubt, deity, good, evil, community, salvation and worship. Particular attention is given to ways of interpreting the Bible, and how this sacred literature addresses the lives of its many readers. \*CTAH. \*MSSN. \*EPRT.

**THEO 117 Catholicism (3 cr)**

An introduction to foundational questions regarding the meaning and practice of Catholicism. \*CTAH \*ERPT

**THEO 161/162 Special Topics in Theology (3 cr)**

\*CTAH \*PRT

**THEO 236 The Church (3 cr)**

A presentation of the Church’s understanding of itself, its membership, ministry and mission to the world. \*ERPT

**THEO 241 Catholic Social Thought (3 cr)**

An introduction to basic principles of Catholic Social Thought (e.g., the sacredness of human life, the common good, preferential option for the poor, subsidiarity) with a particular focus on the economic, social, political, and ecological issues raised by globalization in the early twenty-first century. \*MSSN. \*EPRT.

**THEO 252 World Religions (3 cr)**

A study of the origins, history and beliefs of the major Western and Eastern religions: Hinduism, Buddhism, Judaism, Christianity and Islam, with an emphasis on interreligious understanding. \*GLCP \*ERPT

**THEO 305 Theological Ethics (3 cr)**

A study of the foundations of moral theology, including methodological and anthropological questions as well as attention to decision-making in the context of specific social and political issues that students are likely to encounter in the contemporary world. A writing-intensive capstone course introducing foundations of theological ethics as well as attention to virtue and decision-making in the context of contemporary personal, social, and political issues. Prerequisite: sophomore standing. \*PTER. \*MSSN. \*EPRT.

**THEO 483 Pastoral Practicum (3 cr)**

This practicum is designed for persons planning a career in professions that “minister” to the public, e.g., theology majors, social science majors, health professions. In their practicum, students put learned theory to practical application by doing weekly “pastoral” work in places such as parishes, Catholic Social Services, neighborhood centers, campus ministry, and other religious laity work environments. Practicum learning objectives are developed by student and faculty member. Students are required to complete a minimum of 20 hours per week at their practicum site and complete a portfolio culminating the internship. \*MSSN. \*EPRT. \*EXSL. May repeat up to 6 cr.

**THMT 125: Introduction to Tourism and Hospitality Management: 3 cr**

This course introduces the fundamental concepts of management related to the tourism and hospitality industry. Topics include financial management and accounting, human resource issues, hotel and resort management, food and beverage management, and event management. \*GLCP

**THMT 225 Tourism and Hospitality Marketing: 3 cr**

This course is about the successful marketing principles employed in the tourism and hospitality industry. Demand variables, distribution channels, communications, promotions, research, packaging, collateral materials, pricing strategies, the marketing plan, and enhancing internal sales may be covered. Cross-listed as BUSN 225.

**THMT 265 Strategic and Risk Management in the Tourism and Hospitality Industry: 3 cr**

This course examines risk management concepts and strategies within tourism and hospitality industry. Risk management helps employees to identify, analyze, assess, and hopefully, avoid or mitigate risks coming from a variety of sources, such as financial upset, legal ramifications, accidents, natural disasters, data or cyber security breaches, and many more. Cross-listed as BUSN 265.

**THMT 403 Legal and Ethical Issues in the Tourism and Hospitality Industry 3 cr**

This course is an introduction to the legal and ethical principles that affect the hospitality and tourism industry. Students will review theory and application of general and contract law as they relate to business, employee, and public management regulations. Students will also learn the legal and ethical issues as they relate specifically to the travel and tourism industry. Cross-listed as BUSN 403. \*MSSN.

**THMT 473 Internship in Tourism and Hospitality Management (1, 2 or 3 cr)**

This internship offers the opportunity to put learned theory to practical application in a supervised work environment. Internship learning objectives are developed by student and faculty member, with approval of employer, to provide appropriate work-based learning experiences. Students are required to complete a minimum of 45 hours and complete a portfolio culminating the internship. Cross-listed as BUSN 473. \*EPRT. \*EXSL. May repeat up to 6 cr.

**WJUS 101 First Year Experience, Service, and Reflection Seminar (1 cr)**

This seminar is designed to assist the student with the transition to a university living and learning environment, providing opportunities and direction on how to develop an education for life, leadership, and service with and among others. \*MSSN.

**WJUS 102 Student Success Seminar (1 cr)**

The Student Success Seminar is designed to provide an effective and efficient support service that directly addresses the issues related to academic underperformance and significantly improves the retention and achievement of students on Academic Warning or Probation. In addition to its primary focus on reinforcing students' study skills, note-taking techniques, and college-level reading strategies, this course will provide students with opportunities to integrate interventions that focus on strategy, effort, and ambivalence to address the specific issues that students experience while on academic warning/probation. This course is comprised of three parts: Academic Success, Study Sessions, and Academic Coaching.