

# UNDERGRADUATE CATALOG

2023-2024



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# Attending Fairmont State

## About Fairmont State

### Vision Statement

Fairmont State University will be renowned for its innovative pedagogical practices and programs and as the first-choice institution for students seeking a transformative educational experience.

### Mission Statement

Fairmont State University is a comprehensive, regional university committed to educating global citizen leaders in an environment distinguished by a commitment to excellence, student success and transformational impact.

### Core Values & The Goals That Address Them

Family - establishing interdependence and mutual support

Diversity - engendering a culture of respect where all people's views are acknowledged and valued

Excellence - ensuring distinction in programs, service, faculty, staff and students

Entrepreneurship - supporting creative and innovative initiatives that may have an element of risk

Safety - promoting an environment free from the occurrence or risk of injury, danger, or loss

Trust - inspiring confidence in a person in whom responsibility or authority is placed

Respect - having esteem for or a sense of the worth or excellence of our people

Integrity - adhering to the highest standards

Transparency - establishing visible foundations for decisions and plans

Stewardship - responsibly overseeing and protecting the things considered worth caring for and preserving

### SOAR Values

Scholarship: To celebrate the joy and wonder of discovery.

Opportunity: To grow, learn, engage, and contribute.

Achievement: To reach personal and community goals.

Responsibility: To fulfill obligations to ourselves, the learning community, our society, and the future.

## Philosophy and Objectives

Fairmont State considers its broad objective to be the education of its students as intelligent and productive persons, capable of participating in and understanding the world of the twenty-first century. Accordingly, the University seeks to provide a suitable environment for free and responsible inquiry into the nature, sources, and implications of human knowledge and culture, and it challenges students to promote their own intellectual, social, and personal development.

The University faculty serve this objective by guiding students in acquiring knowledge and by maintaining a dialogue with them. The University fully supports the ideal of a well-educated society and

upholds the academic freedom of its faculty and students, confident that the best interests of the community are served when the search for truth is imaginative and vigorous.

The University follows a liberal policy of student admissions and believes that it can help highly-motivated students to overcome many challenges in their academic preparation. Because its academic standards are high, the Fairmont State degree represents a level of achievement respected throughout the nation.

The University has a traditional interest in preparing teachers for public-schools in West Virginia, as well as in other states. Recognizing the importance of able teachers to a progressive society, it requires outstanding academic performance of its teacher candidates and offers them sound professional training for elementary and secondary teaching supported by a strong partnership with a network of public-schools.

Drawing many students from its immediate vicinity, the University welcomes the enthusiastic support it receives from Fairmont and surrounding areas. In return, it participates actively in community projects, shares its programs and facilities with the public, and serves the community as a center of information and culture.

Specifically, the mission of Fairmont State is to provide programs needed by those in its geographic service area, to the extent permitted by its financial and human resources, and its assigned role in the state system of public higher education. This mission is accomplished by meeting these objectives:

- Offering a broad range of traditional baccalaureate degree programs in the arts and sciences, teacher education, and business administration;
- Providing opportunities for occupationally oriented baccalaureate study through expansion of existing engineering technology programs and the development of additional career-related curricula;
- Bringing selected study opportunities into communities in the University's service region through the use of the mass media, regional educational centers, external degree programs, and other forms of nontraditional study;
- Encouraging a broad segment of the populace, including various age groups and the economically deprived, to avail themselves of educational opportunities;
- Serving the greatest number of students by holding University costs at the lowest possible level and providing financial support to those who need it to gain equal access to higher education;
- Relating the breadth of the curriculum to the availability of appropriate employment opportunities and the needs of business, industrial and public service agencies in the University's service area;
- Offering continuing education programs to provide career enhancement, cultural enrichment, and personal skill development;
- Providing advisory, counseling, and placement services to enable students to make satisfactory decisions about academic and personal problems and to make

- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

## The Fairmont State Graduate

Graduates of Fairmont State University should:

1. Demonstrate competence in the following skills to aid them in making decisions about personal values and career strategies: critical analysis, quantitative literacy, oral and written communication, reading, teamwork, information literacy, problem solving, and technological literacy.
2. Demonstrate proficiency in their major fields of study that will enable them to compete in the global job market and pursue additional levels of formal education.
3. Understand the responsibilities of citizens, participate in the democratic process, and contribute to their society.
4. Embrace and act upon an ethical view that respects the life, property, opinions, and feelings of others.
5. Demonstrate the knowledge and habits that lead to physical and mental health and well-being.
6. Understand the complementary nature of their liberal and professional studies and develop the capacity for independent, lifelong learning.

7. Acquire an informed appreciation of the arts, the humanities, and the social and natural sciences.
8. Develop sensitivity in matters of local and global social justice, respecting and appreciating differences among individuals and societies.

## Accreditation

### Fairmont State University

Fairmont State University is accredited by the Higher Learning Commission to offer Associates, Bachelors, and Master's degrees in addition to Certificate programs. Fairmont State has been accredited since 1928 and is committed to reaffirming and advancing its commitment to academic excellence and student support through its accreditation and compliance-related actions. The West Virginia Higher Education Policy Commission also provides additional oversight of new and existing degree programs.

Fairmont State University only reviews transferable credit from regionally accredited institutions and institutions with national accreditation that is recognized by the U.S. Department of Education for acceptance as credit in our academic programs. The most current listing of sanctioned accrediting bodies can be found at [www.ed.gov](http://www.ed.gov).

Fairmont State is accredited by The Higher Learning Commission, 230 S. LaSalle Street, Suite 7-500, Chicago, IL 60604-1411, (800) 621-7440 x105, <http://www.ncahlc.org>.

### College of Business & Aviation



The College of Business and Aviation is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, [www.acbsp.org](http://www.acbsp.org). The following business programs are accredited by ACBSP:

- Bachelor of Science Degree in Accounting
- Bachelor of Science Degree in Aviation
- Bachelor of Science Degree in Business Administration with concentrations in Business, Finance, Management, and Marketing
- Bachelor of Science Degree in Healthcare Management
- Bachelor of Science Degree in Information Systems Management
- Master of Business Administration (MBA)

The Master of Science in Healthcare Management and the Bachelor of Science Degree in Healthcare Management are currently seeking ACBSP accreditation.

### **College of Education, Health & Human Performance**

The Teacher Education program is approved by the West Virginia Board of Education and accredited by the Council for the Accreditation of Educator Preparation (CAEP). The University is also a member of the American Association of Colleges for Teacher Education (AACTE) and Council for the Advancement and Support of Education (CASE). In addition, selected teaching specializations are nationally approved by their respective learned society and/or professional organization. The following programs are CAEP accredited:

### **Initial Licensure Programs**

#### *Elementary Education*

- Elementary Education K-6
- Elementary Education K-6; General Mathematics 5-9 Specialization
- Elementary Education K-6; Multi-Categorical Special Education K-12 Specialization
- Elementary Education; Spanish PreK-Adult Specialization
- Secondary Education

#### *Secondary Education*

- Art Education, Pre-K-Adult
- Biology Education, 9-Adult (with General Science Certification)
- Chemistry Education, 9-Adult (with General Science Certification)
- Earth & Space Science 5-Adult (with General Science Certification)
- English Education, 5-Adult
- Mathematics Education, 5-Adult
- Physical Education
- Physics Education, 9-Adult (with General Science Certification)
- Social Studies Education, 5-Adult
- Spanish Education, Pre-K-Adult

#### *Master of Arts in Teaching*

- Art Education, Pre-K-Adult
- Biology Education, 9-Adult (with General Science Certification)
- Chemistry Education, 9-Adult (with General Science Certification)
- Earth & Space Science 5-Adult (with General Science Certification)
- English Education, 5-Adult
- Mathematics Education, 5-Adult
- Physical Education
- Physics Education, 9-Adult (with General Science Certification)
- Social Studies Education, 5-Adult
- Spanish Education, Pre-K-Adult

#### *Advanced Programs*

- Multi-Categorical Special Education with Autism
- Reading Specialist

Please see the College of Education, Health and Human Performance website for additional information regarding CAEP accreditation.

## **College of Nursing**

The Associate of Science in Nursing (ASN) program at Fairmont State University located in Fairmont, WV is accredited by the: *Accreditation Commission for Education in Nursing (ACEN)*, 3390 Peachtree Road, NE, Suite 1400 Atlanta, GA 30326. (404) 975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate of Science in Nursing program is continuing accreditation. View the public information disclosed by the ACEN regarding this program at <https://www.acenursing.org/search-programs/entry/2567/>

The Bachelor of Science in Nursing Program is accredited by the *Commission on Collegiate Nursing Education (CCNE)*, 655 K Street NW Suite 750, Washington, DC 20001, (202) 887-6791, CCNE.

## **College of Science and Technology**

### *Department of Engineering Technology*

The Department of Engineering Technology programs are accredited by the Accreditation Board for Engineering and Technology (ABET), 415 North Charles Street, Baltimore, MD 21201, ABET. The following engineering technology programs are accredited by ACBSP:

- Civil Engineering Technology
- Electronics Engineering Technology
- Mechanical Engineering Technology
- Occupational Safety

- Surveying and Geomatics Engineering Technology
- Engineering Management

### *Department of Architecture, Art, and Design*

The Master of Architecture (M.Arch.) professional degree program is working towards accreditation by the National Architectural Accrediting Board (NAAB). 1735 New York Avenue NW, Washington, DC, 20006. (202) 783-2007 <https://www.naab.org/> The M.Arch. degree is currently in candidacy status for accreditation and anticipates full accreditation in 2022. The state of West Virginia, as well as many other state jurisdictions, along with the National Council of Architectural Registration Boards (NCARB) recognize degrees from institutions that have been awarded within two years of accreditation.

N.B. The NAAB only accredits the Master of Architecture degree although many of the student performance criteria are fulfilled in the Bachelor of Science in Architecture degree which is not accredited by NAAB, but is a pre-professional degree.

### **Statement of NAAB-Accredited Degrees**

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted an eight-year term, an eight-year term with conditions, or a two-year term of

continuing accreditation, or a three-year term of initial accreditation, depending on the extent of its conformance with established education standards.

Doctor of Architecture and Master of Architecture degree programs may require a non-accredited undergraduate degree in architecture for admission. However, the non-accredited degree is not, by itself, recognized as an accredited degree.

The NAAB grants candidacy status to new programs that have developed viable plans for achieving initial accreditation. Candidacy status indicates that a program expects to achieve initial accreditation within six years of achieving candidacy, if its plan is properly implemented.

In order to meet the education requirement, set forth by the National Council of Architectural Registration Boards, an applicant for an NCARB Certificate must hold a professional degree in architecture from a program accredited by the NAAB; the degree must have been awarded not more than two years prior to initial accreditation. However, meeting the education requirement for the NCARB Certificate may not be equivalent to meeting the education requirement for registration in a specific jurisdiction. Please contact NCARB for more information.

Fairmont State University, Department of Architecture, Art & Design, was granted candidacy status for the following professional degree program in architecture:

M.Arch. (preprofessional degree + 42 graduate credits).

Year candidacy awarded: 2018

Next visit: Continuation of Candidacy or Initial accreditation: 2022

Projected year to achieve initial accreditation: 2022

Earliest graduation date projected to meet NCARB education requirement: 2020

## History of Fairmont State

Located on a 120-acre main campus in the City of Fairmont, Fairmont State's roots reach back to the formation of public education in the state of West Virginia. The first private normal school in West Virginia was established to train teachers in Fairmont in 1865 by John N. Boyd, the school's first principal.

For more than 150 years, the University has experienced many changes in name from the West Virginia Normal School at Fairmont, to the Fairmont State Normal School in the 1870s, to Fairmont State Teachers College in 1931, to Fairmont State College in 1944, to Fairmont State in 2004. These changes indicate an ongoing expansion of programs and purpose.

In 1923, the Fairmont State Normal School first offered a four-year bachelor's degree program in education, making the school a college. Today Fairmont State offers more than 80 baccalaureate degrees in business, education, science, engineering technology, fine arts, liberal arts, and nursing. Graduate programs have been developed in architecture, education, business, and criminal justice. The campus is also home to the Frank and Jane Gabor West Virginia Folklife Center.

The University's changes in location in Fairmont also reflect its continued growth. On February 27, 1867, the normal school became a state institution. Construction began on a brick building on the northwest corner of Adams and Quincy streets later that year. In 1893, the school moved into a

new building on Second Street and Fairmont Avenue. In early 1917, the Fairmont State Normal School moved to the building now called Hardway Hall, which sits on a hill overlooking Locust Avenue.

From that single columned building on a hill that was once part of a dairy farm, the University's campus has expanded to include more than 23 buildings. Over the recent decades, new construction, including a new student center, parking garage, five housing facilities, and an academic building, as well as major improvements in infrastructure, have greatly impacted the accessibility and beauty of campus. Fairmont State features two locations in Harrison County, the Gaston Caperton Center in Clarksburg and the Robert C. Byrd National Aerospace Education Center in Bridgeport. Fairmont State continues to look for ways to reach beyond the borders of West Virginia and the nation to build relationships.

From its first officially recorded enrollment of 30 students in 1868, Fairmont State has grown to be one of the state's largest universities with an enrollment of about 4,100 students. The first student, Hyre D. Clark of Buckhannon, graduated from the normal school in 1872. Today, Fairmont State has an alumni network of more than 29,000 proud Falcons.

## **Catalog Policy**

It is the responsibility of students to be knowledgeable of official Fairmont State policies and to meet all requirements in the Catalog. It provides the best possible current information on practices and academic policies of the institution. Fairmont State does however, reserve the right to change provisions or requirements at any time to reflect curricular changes

and/or administrative regulations and procedures. The Catalog is not considered a binding contract between the student and the institution; it is for informational purposes only.

Students should keep informed of current degree, curriculum and course requirements. Academic advisors and appropriate administrative offices of Fairmont State may be consulted for further information or guidance.

A student who enrolls at Fairmont State shall follow the degree provisions of the catalog in use at the time of admission or any subsequent catalog, providing the entire subsequent catalog is adopted.

A student who changes degree programs or majors while enrolled at Fairmont State may follow the degree provisions of the catalog in use at the time of admission or any subsequent catalog, providing the entire catalog is adopted. Because curricular changes frequently occur in subsequent catalogs, the student should consult with an advisor in the new degree program or major for assistance in determining which catalog to adopt.

Students who have interrupted their schooling for two or more regular academic semesters (not including summer) will be readmitted under the most current catalog and degree requirements.

Please note that academic policies can change each year and apply to all students regardless of when they began their studies. Please refer to the current catalog for the most recent academic policies and procedures.

## **Equal Opportunity Affirmative Action Policy**

Fairmont State is an Equal Opportunity-Affirmative Action Institution. The University is subject to the Titles VI and VII of the Civil Rights Act of 1964; Title IX of the Education Amendments of 1972; Sections 503 and 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; the Age Discrimination in Employment Act; the Equal Pay Act; the Vietnam Era Veterans' Readjustment Assistance Act of 1974; Federal Executive Order 11246; and the Genetic Information Nondiscrimination Act of 2008 (GINA), all as amended; and other applicable laws and regulations. The institution provides equal opportunity to all prospective and current members of the student body, faculty, and staff on the basis of individual qualifications and merit without regard to race, color, gender, sex, sexual orientation, gender identity, gender expression/association, national origin, age, height, weight, religion, creed, genetic information, disability or veteran's status, as identified and defined by law in employment, admissions, and educational programs and activities. Fairmont State neither affiliates knowingly with nor grants recognition to any individual, group, or organization having policies that discriminate on the basis of race, color, gender, sex, sexual orientation, gender identity, gender expression/association, national origin, age, height, weight, religion, creed, genetic information, disability or veteran's status, as identified and defined by law in employment, admissions, and educational programs and activities. Fairmont State will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant.

Further inquiries may be directed to the Director of Affirmative Action, who is the Section 504, Deputy Title IX Coordinator, located in Room 324 Hardway Hall, (304) 367-4386, or the Americans with Disabilities Act Coordinator, located in the Turley Student Services Center, (304) 367-4686.

## **Family Education Rights and Privacy Act**

The Disability Services Office is located in 316 Turley Student Services Center and can be reached at (304) 333-3661. For more information please visit our website [www.fairmontstate.edu/access](http://www.fairmontstate.edu/access).

The Family Educational Rights and Privacy Act of 1974 (FERPA) provides students with the right to inspect and review information contained in their educational records, to challenge the contents of their educational records, to have a hearing if the outcome of the challenge is unsatisfactory, and to submit explanatory statements for inclusion in their files if they feel the decisions of the hearing panels are unacceptable. Students wishing to review their educational records must contact the campus official in charge of the office in which the records are located. Students may not inspect records to which they have waived their rights of inspection and review.

Within the Fairmont State community, only those members, individually or collectively, acting in the student's educational interest are allowed access to student education records. These members include personnel in the offices of Admissions and Records, Student Services, Financial Aid, Business, academic colleges and departments, academic advisors, and athletic departments. These college officials have a legitimate educational

interest in the student's education record if the college official requires such information to: fulfill his or her responsibility or duty to the University; perform tasks within the scope of his or her employment or within the scope of a contract with the University; perform a task related to a student's education; perform a task related to the discipline of a student; provide a service or benefit relating to the student or student's family, such as health care, counseling, job placement, pastoral counseling, or financial aid; or maintain the safety and security of the campus.

At its discretion, the institution may provide Directory Information in accordance with the provisions of the Act to include: student name, address, telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, participation in officially recognized activities and sports, and weight and height of members of athletic teams. Students may withhold directory information by notifying the Student Services Center in writing.

Fairmont State may disclose academic information to parents of students by having parents establish the student's dependency as defined by the Internal Revenue Code of 1954, Section 152. Dependency status may be established by the presentation of a certified copy of the parents' most recent federal income tax form listing the student as a dependent.

## **Compliance with Military Selective Service Act**

State law provides that a male person who has attained the age of eighteen (18) years may not enroll in a state-supported

institution of postsecondary education unless he is in compliance with the Military Selective Service Act (50 U.S. Code, Appendix 451, et seq. and the amendments thereto). Also, a male person may not receive a loan, grant, scholarship, or other financial assistance for postsecondary higher education funded by state revenue, including federal funds or gifts and grants accepted by this state, or receive a student loan guaranteed by the State unless he is in compliance with the Military Selective Service Act. Selective Service Act registration information should be available at all United States Postal Service facilities and may be available at some high schools. The Selective Service System also provides information through a web site at <https://www.sss.gov>.

## **Disability/ADA Services**

Under the Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act, students with disabilities are due reasonable accommodations in their academic pursuits. A student's disability should not unfairly interfere with his or her learning process or evaluation and grading.

The primary mission of the Fairmont State Disability Services Office (DSO) is to provide leadership and facilitate equal access to all institutional opportunities for students who have disabilities, so they may achieve their academic, personal, and professional goals in preparation for responsible citizenship. DSO provides institution wide advisement, consultation, and training on disability-related topics, including legal and regulatory compliance, universal design, and disability scholarship. We identify and work to remove barriers to foster an all-inclusive campus, and provide individual services and facilitate academic

accommodations to students with disabilities. Our staff collaborates with students, instructors, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable by:

- Advocating for students with disabilities to have access to the same level of service from campus offices as is available to non-disabled students and to receive from DSO only those services not provided elsewhere by the institution.
- Fostering the development of a campus culture that values the diversity of disability and that values disability as a core component of diversity.
- Encouraging the design of campus environments that welcome students with disabilities and advocating for inclusion of a commitment across institutional departments.

Through guidance and technical assistance to the institution on disability-related laws and regulations, DSO fosters academic experiences that are as similar as possible to the experiences of non-disabled students by:

- Providing guidance, advice, and technical assistance that informs and enables the institution to meet applicable laws and regulations.
- Apprising key administrators of emerging issues relative to disability and access that may impact the institution.
- Ensuring that students with disabilities receive reasonable and appropriate accommodations, aids, and services to have equal access to all institutional programs, services, and activities.

- Collaborating with others across the institution in ways that benefit students.
- Providing guidance to faculty members in providing reasonable and effective accommodations, and by consultation and training for faculty members on disability related topics.

# Admissions to the University

## General Admissions to Fairmont State

Students seeking admission to Fairmont State must be of the age of compulsory attendance in the state of West Virginia and file an application for admission. Application and supporting credentials must be on file at least two weeks prior to the opening of a semester or term. All credentials submitted in support of an application for admission become the property of the University and will not be returned to the student. Any student admitted upon the basis of false credentials will be subject to immediate dismissal from the University.

The application for admission must specify the student's desired degree or program objective. Admission to Fairmont State does not guarantee admission to specific programs, which may be restricted due to limitations of staff, physical facilities, and space available for experiential training. The standards and procedures for admission to limited-enrollment programs are presented later in this section. Students who fail to register during the semester or term for which they have been admitted, must file another application in order to gain admission at a later date.

## Application Forms and Procedures

All students applying for admission to Fairmont State degree programs are required to complete and submit the following forms and credentials:

1. Application for Admission.
2. Official high school transcript sent by high school or high school equivalency diploma (not required for transfer students having a 2.0 grade point average and at least

24 hours of completed coursework).

3. Official ACT or SAT scores (not required for students who graduated high school more than 5 years prior to enrollment term or for transfer students having a 2.0 average and at least 24 hours of completed coursework).
4. Transcript of home-schooled students to include classes taken, credit hours and grades earned, graduation date and signature of the home school provider (may be submitted in lieu of a high school equivalency transcript, however the high school equivalency transcript may be required for financial aid and scholarships).
5. Official college transcripts, if applicable.
6. Permanent Resident Card, if applicable.

## The American College Test/Scholastic Aptitude Test Requirement

Fairmont State requires the American College Test (ACT) or Scholastic Aptitude Test (SAT) of all applicants unless you have graduated high school or received a high school equivalency transcript more than five years prior to seeking admission. ACT or SAT scores are also used to determine student placement in English and mathematics courses, for scholarships and loans, and for academic advising purposes. High school students are encouraged to take the test beginning in their junior year. For information concerning registration and test dates for the ACT National Exam, please visit the official ACT website, [www.act.org](http://www.act.org). Students seeking admission to the University, who have missed the



national testing date(s) may take the residual ACT (Contact Enrollment Services for additional information).

### **Immunization Requirement**

Starting in Fall 2021, immunization compliance and record tracking will be done by Student Health Services. Information regarding how to sign into your secure student health portal through myFairmontState. On your portal site, you will be able to directly upload your immunization records and/or your titer information. Please find the list of vaccinations below required of all newly admitted students and all housing students:

- MMR (Measles, Mumps, and Rubella) - 2 doses or bacterial/serological evidence of immunity to each component of the vaccine (for those born after January 1, 1957);
- Varicella (Chickenpox) - 2 doses or laboratory/serological evidence of immunity;
- Tetanus (Tdap) - Dose within the last 10 years;
- Polio - 3 doses; and
- Meningococcal Vaccine (MCV4 or Quadrivalent) - Dose received within the last 5 years.

In addition, the following are strongly recommended prior to enrollment at Fairmont State University:

- Tuberculosis screening;
- Hepatitis A vaccine or combined Hepatitis A&B vaccine;
- Annual Influenza (Flu) vaccine;
- Human Papillomavirus (HP-9) - Gardasil (for females and males);
- Pneumovax, if indicated;

- Hepatitis B - 3 dose series or laboratory/serological evidence of immunity; and
- COVID-19 vaccine

### **Bachelor's Degree Programs Admission Requirements**

Admission to bachelor's degree programs is open to graduates of approved high schools who have a 2.0 high school GPA (or received a high school equivalency transcript) and a minimum composite score of 18 on the ACT or 870 on the SAT (combination of Critical Reading and Math scores if test was taken prior to March 2016) or a 950 SAT (total score on tests taken March 2016 and after). Students with at least a 3.0 high school GPA and SAT or ACT composite test scores will be admitted regardless of the test scores. Applicants must also satisfy the following minimum high school unit requirements.

#### **Required Units (Years)**

- 4 units of English (including English 12CR and courses in grammar, composition, and literature)
- 3 units of Social Studies (including U.S. studies/history)
- 4 units of Mathematics (three units must be Algebra I and higher or Math I or higher; Transitional Math for Seniors will also be accepted). Courses designed as "support courses", such as Math I Lab or Math I Support, that provide extra instructional time but no additional content shall not be acceptable as meeting the required 4 mathematics course core requirements.
- 3 units of Science (all courses to be college preparatory laboratory science, preferably including units from biology, chemistry, and physics)
- 1 unit in Arts

- 2 units of World Language (two units of the same world language; sign language is also acceptable)

Fairmont State may admit by exception students who do not meet the basic admissions standards.

### **Admission to Teacher Education**

Admission to Teacher Education is selective. Please refer to the College of Education "Program of Study" in the catalog for requirements.

### **Admission to Bachelor of Science in Nursing Program**

Admission to the Bachelor of Science in Nursing program (RN-BSN track) requires students to be admitted to Fairmont State University. Student must have an active unencumbered WV or multistate RN license (by the third week of the first semester of the program) and a cumulative GPA of 2.0 or higher in order to be eligible to apply. Applications are accepted on an ongoing basis. Once admitted to the program students must meet all clinical agency requirements; information about clinical agency requirements can be obtained from the College of Nursing.

### **Admission to Associate of Science Degree in Nursing Program**

Admission to the Associate of Science in Nursing program (traditional ASN, hybrid/weekend ASN, and LPN to ASN tracks) is competitive. Students must be admitted to Fairmont State University. Applicants must have a 2.0 minimum cumulative GPA from high school and/or college and have obtained a minimum composite score of 60 on the TEAS exam in order to be eligible to apply. Priority application deadlines are January 15 for Fall admission and May 1 for

Spring admission. Once admitted to the program students must meet all clinical agency requirements; information about clinical agency requirements can be obtained from the College of Nursing.

### **Admission to Aviation Flight Program**

Admission to the Flight Program is competitive. Applicants will be required to submit an additional Flight Program application form. Based on academic credentials and other aviation-related experiences, selected individuals will be asked to provide proof of an Unrestricted 1st or 2nd Class Medical Certification, will be scheduled for an interview. International students will also need special clearance from the TSA.

### **Students Seeking a Second Bachelor's Degree**

Students who have completed a baccalaureate degree from an accredited institution may pursue another degree as a postgraduate student. In order to be admitted, the student must submit an application and all college transcripts. General studies, major, and minor requirements will be reviewed by the appropriate departments to determine what additional courses must be completed. While credit for the previously earned baccalaureate degree will be posted on the Fairmont State transcript, no individual courses will be translated.

### **Non-Degree Seeking Admission Requirements**

Admission to Fairmont State as a non-degree seeking or non-matriculant student is open to anyone who has completed fewer than 15 credit hours cumulative at any college or university or high school graduates who have not completed any credit hours. The student must be a high

school graduate or a recipient of a high school equivalency diploma. Admission is intended for students registering for occasional college courses with no degree objective. Students may complete up to a cumulative total of 15 hours of college credit. Students must submit the following as applicable:

1. Application for admission
2. Official college transcript(s)
3. Official home school transcript, high school transcript sent by high school or high school equivalency diploma, if you have not attended college. (Exceptions may be made on a case-by-case basis)

A student who has completed 15 hours of regular college credit is required to apply for admission to Fairmont State for further study and meet all the requirements for admission for a specific degree.

### **Transient Students**

1. Application for admission
2. Course approval form from home institution granting permission to take transferable class(es) or an official college transcript with at least a 2.0 GPA

### **International Student Admission Requirements**

For an applicant to be considered for admission and to be able to process immigration papers, all application materials and supporting documents must be received by these dates:

- Fall semester admission: Apply by June 15. All academic documents must be received by July 1.

- Spring semester admission: Apply by October 15. All academic documents must be received by November 1.
- Admission for the summer term (May-August) is only permitted if you are currently in the United States.

Upon acceptance, information will be entered into SEVIS and an I-20 will be issued for application of F1 Visa. Required application forms and credentials include:

1. Application for admission
2. Must have a 2.0 overall grade point average for any high school or college work.
3. Official English proficiency scores (TOEFL Internet Based of 61, TOEIC of 605 or IELTS of 6.0) if your native language is not English. Online English courses cannot be accepted in place of these scores.
4. Proof of financial support for first academic year (must be in U.S. dollar format and translated to English)
5. Sponsor Affidavit Form
6. Color copy of Passport
7. Original or certified copies of all official academic records/transcripts. Certified documents must be notarized or attested by the education institution, the Ministry of Education of the country, or transcript evaluation agency. High school transcripts are not required for transfer students having a 2.0 grade point average and at least 24 hours of completed coursework.

8. All undergraduate students who have attended high school, colleges or universities outside the United States will need to have a transcript evaluation of all academic work completed. Transfer applicants should request a "course-by-course" International Credential Advantage Package (ICAP). High school transcripts are not required for transfer students having a 2.0 grade point average and at least 24 hours of completed coursework. We accept the following transcript services:

- World Education Services ([www.wes.org](http://www.wes.org))
- InCred (<https://www.incredev.als.org/>)
- Ucredo (<https://ucredo.com/>)
- SpanTran (<https://www.spantran.com/>)

9. Transfer eligibility form, if applicable

10. Proof of health insurance

11. Housing Application (if applicable)

### **Returning Students**

Students who have interrupted their schooling for one semester (not including summer term) must reapply for admission. Any previous holds must be removed before readmission can occur. Students who have attended another institution during this absence are considered to be transfer students and must comply with the requirements listed below.

### **Transfer Students**

Any applicant for admission to Fairmont State who has attended another collegiate

institution will be classified as a transfer student. Every effort will be made to allow credit earned at other accredited colleges and universities to count towards a degree at Fairmont State. Transfer students must meet the previously stated admission requirements of Fairmont State. They must provide evidence of good standing at the institution last attended and must have maintained a minimum 2.0 GPA.

Students transferring fewer than 24 credit hours must provide an official copy of their high school transcript/home school or high school equivalency transcript, official ACT or SAT scores (if the student has graduated from high school less than 5 years prior to the enrollment term) and official college transcript(s).

### **General Studies and Core Coursework Transfer Agreement**

According to Series 17, Policy Regarding the Transferability of Credits and Grades at the Undergraduate Level, students who transfer from one state college or university to another may transfer core coursework that will count toward fulfillment of general studies requirements at the receiving institutions.

Under the terms of the agreement, a student may transfer up to thirty-five credit hours of undergraduate coursework in the areas of English composition, communications and literature, fine arts appreciation, mathematics, natural science, and social science as general studies credits. Copies of the agreement are available in the Enrollment Services Center.

The following is a list of Fairmont State Core Curriculum courses which are transferable to other WV institutions of higher education. Any accepting institution

must accept the courses below as general studies credit.

- ENGL 1101
- ENGL 1102
- MATH 1407
- MATH 1507
- MATH 1430
- MATH 1530
- MATH 1540
- MATH 2501
- CHEM 1105
- PHYS 1105

### **Credit from a Junior or Community College**

The maximum credit accepted from a Junior or Community College accredited by the North Central Association of Colleges and Schools or other regional accrediting association will not exceed 72 credit hours.

### **Admission to College Level English and Math Courses**

Fairmont State has adopted the following requirements for students before they are permitted to enroll in college-level mathematics and English courses.

#### **English**

All students may enroll in ENGL 1101. However, students must enroll in a four-credit hour Accelerated version of the course if they fail to earn at least one of the minimum scores prescribed below for the following tests:

- A score of 18 or above on the English section of the ACT.
- A score of 500 or above on the evidence-based reading and writing portion of the redesigned SAT.
- A score of 5 or higher on the WritePlacer.

- An achievement level score of Level 3 on the English/language arts portion of the statewide eleventh grade student assessment, the West Virginia General Summative Assessment.

Students without test scores can also be placed into the appropriate English course based on a review of the high school transcript on file with admissions (official preferred, but unofficial may be used). The review will be conducted by an advisor prior to the student enrolling in courses.

Students with at least one D or lower in any high school English class must enroll in the Accelerated version of ENGL 1101.

#### **Mathematics**

Any student may enroll in MATH 1407, MATH 1410, or MATH 1430, whichever is appropriate for their pathway. All courses offer integrated support. Students with a test score will be placed into SciTech courses based on the score thresholds listed below. Students without a test score will be placed into the appropriate support course.

<b>Italic cells are scores listed in HEPC Series 21 State Code (1-19-19)</b>		<i>Test effective Mar 2016</i>	<i>Next Generation ACCUPLACER Effective Jan 2019</i>		
<b>Math ACT</b>	<b>Old Math SAT-1</b>	<b>New Math SAT</b>	<b>New QAS</b> Quantitative Reasoning, Algebra, & Statistics	<b>New AAF</b> Advanced Algebra & Functions	<b>Course</b>
<b>No pre-requisite test scores. Any student may register into the class.</b>					MATH 1407 MATH 1410 MATH 1430
<i>19</i>	<i>460</i>	<i>510</i>	<i>250</i>	NOT APPLICABLE	CHEM 1101 COMP 1110 MATH 1507 MATH 1510 PHYS 1001
<i>20</i>	<i>480</i>	<i>520</i>	<i>255</i>		CHEM 1105
<i>21</i>	<i>500</i>	<i>530</i>	<i>260</i>		COMP 1120 MATH 1530 MATH 1550
<i>23</i>	<i>540</i>	<i>560</i>	NOT APPLICABLE	<i>252</i>	MATH 1540 MATH 2551 MATH 2552
<i>24</i>	<i>560</i>	<i>580</i>		<i>268</i>	MATH 1561 PHYS 1101 PHYS 1104
<i>25</i>	<i>570</i>	<i>590</i>		<i>276</i>	MATH 2501 TECH 2290
<i>28</i>	<i>630</i>	<i>660</i>		<i>300</i>	PHYS 1105

Students who are dissatisfied with their placement are allowed to request higher placement with the following procedure:

- Students with a recent (within two years) high school GPA of 3.50+ may request a transcript analysis by the mathematics faculty.
- Students without a recent high school transcript **or** without the high school GPA requirement may request ACCUPLACER testing.

All transcript analysis requests should be sent to Dr. Mahmood Hossain, [Mahmood.Hossain@fairmontstate.edu](mailto:Mahmood.Hossain@fairmontstate.edu).

The Fairmont State LEAD Center offers the ACCUPLACER Next Generation placement tests, designed by College Board, free of

charge to students. Students may take placement exams no more than twice in any given semester. For more information on ACCUPLACER, contact the Fairmont State LEAD Center coordinator, Brittany Cuchta at [bcuchta@fairmontstate.edu](mailto:bcuchta@fairmontstate.edu).

### **Advanced Standing**

Based on the high school record and performance on the ACT or SAT, Fairmont State will determine eligibility for advanced standing and credit in English and foreign language as follows:

English: Students may receive three hours of college credit in ENGL 1101 and may enroll in ENGL 1102 if they present four units of high school English with no semester grade of less than a "B" and a standard score of 25 or higher on the

English section of the ACT or 640 on the evidence-based reading and writing section of the redesigned SAT. Foreign Language: Students who present two or more units of high school French or Spanish may enroll in FREN 1102 or SPAN 1102. Students who present three or more

units of high school French or Spanish may enroll in FREN 2201 or SPAN 2201. Students will not be awarded multiple credit, standing or GPA based on duplicated advanced placement scores, tests or transfer work.

## Advanced Placement Examination

Examination	Minimum Score	Credit Hours	Course Equivalent
<b>Art</b>	-	-	-
Studio Art - Drawing	3	3	Elective
2-D Art and Design	3	3	Elective
3-D Art and Design	3	3	Elective
Art History	3	3	Elective
Music Theory	-	-	-
<b>English</b>	-	-	-
English Lang. & Comp.	3	3	ENG 1101
English Comp. & Lit.	3	3	ENG 2240
African American Studies	3	3	ENGL Elective
<b>History &amp; Social Sciences</b>	-	-	-
Comparative Government & Politics	3	3	POLI 2200
European History	3	6	HIST Elective
Human Geography	3	3	GEOG 2210
Macroeconomics	3	3	BSBA 2211
Microeconomics	3	3	BSBA 2212
Psychology	3	3	PSYC 1101
U.S Government & Politics	3	3	POLI 1100
U.S History	3	6	HIST 1107, 1108
World History	3	6	HIST 2211 & 2212
<b>Mathematics &amp; Computer Science</b>	-	-	-
Pre-Calculus	3	3	MATH Elective
Calculus AB	3	4	MATH 2501
Calculus BC	3	4	MATH 2501
Calculus BC	4	8	MATH 2501, MATH 2502
Computer Science A	3	3	COMP Elective
Computer Science Principles	3	3	3
Statistics	3	3	MATH 1550
<b>Science</b>	-	-	-
Biology	3	4	SCIE 1100
Biology	4	8	BIOL 1105, BIOL 1106
Chemistry	3	8	CHEM 1101, CHEM 1102
Chemistry	4	5	CHEM 1105
Chemistry	5	9	CHEM 1105, CHEM 2200
Environmental Science	3	4	Elective
Physics 1: Algebra Based	3	4	PHYS 1101
Physics 2: Algebra Based	3	4	PHYS 1102
Physics C: Elec. & Mag.	3	5	PHYS 1106
Physics C: Mechanics	3	5	PHYS 1105
<b>World Language &amp; Cultures</b>	-	-	-
Chinese Lang & Culture	-	-	-
French Language & Culture	3	6	FREN 1101, FREN 1102

German Language & Culture	-	-	-
Italian Language & Culture	-	-	-
Japanese Language & Culture	-	-	-
Latin	-	-	-
Spanish Language & Culture	3	6	SPAN 1101, 1102
Spanish Literature & Culture	3	3	SPAN Elective
<b>AP Capstone Diploma Program</b>	-	-	-
Seminar	-	-	-
Research	-	-	-

### Special Examination for Course Credit

Students may earn course credit by special examination. To apply for permission for such an examination, applicants must be enrolled in the University or must have completed one semester or summer session in Fairmont State. Applicants must first schedule an interview with the College Dean or department representative, who will evaluate the student's background, experience, and qualifications to establish eligibility and give permission to take the examination. In order to gain college credit by special examination, students must demonstrate better than average proficiency on the examination, as determined by the examiner. Examinations will not be given for college courses in which students have previously received a grade other than "W."

Applicants must pay a fee of \$50.00 per semester credit hour for each special examination. Applications for credit may be obtained from the Academic College or Department. Please refer to the online Campus Directory for specific locations. Payment must be made in the Turley Student Services Center after the College Dean or department representative approves eligibility and before taking the examination. No money will be refunded if any examination is failed. No examination may be repeated.

Students will not be awarded multiple credit, standing or GPA based on duplicated advanced placement scores, tests or transfer work.

## Dual-Credit Falcon FastTrack Program

### Admission to Falcon FastTrack Program for High School Students

To support Fairmont State's mission and increase access to concurrent enrollment for high school students, we offer the **Falcon FastTrack** program. Concurrent enrollment is a low-cost, scalable model that has been shown to ease the transition of students from high school to college, shorten the time to degree completion, reduce the cost of a college degree, and increase degree attainment. At Fairmont State, we offer **FastTrack** courses in high schools, on our campus, and/or online.



# Financial Information

## Payment of Tuition and Fees

Registration is not completed until payment of tuition, residence hall, board and fees has been made. A late payment charge of \$50 will be assessed on the second day of the term; a \$15 charge will be assessed on each check returned by bank for "insufficient funds". Enrollment Services shall declare the fees unpaid and registration canceled until the check has been redeemed and the additional charge paid. Student records will not be released by the Enrollment Services for any student who had a delinquent financial obligation to Fairmont State University.

Students attending Fairmont State are offered an alternative to payment in full at the time of registration. This payment plan is known as the Financial Installment Plan Service, or FIPS. This allows students to pay their balance in six monthly payments. The first payment is due on the 10th of the month prior to the start of the semester. There may be a \$15.00 enrollment fee assessed when signing up for FIPS. If payment is not received before the due date each month, a \$25 late fee may be added to the account. Fees can be paid with Visa, MasterCard, American Express and Discover Card. Students receiving financial aid must apply 100 percent of their aid prior to FIPS payments.

All outstanding amounts resulting from nonpayment of tuition and fees are the responsibility of the student. Withdrawal from school, officially or unofficially, will not cancel any financial obligation already incurred. Additionally, failure to pay all financial obligations may result in debts being turned over to a collection agency.

NOTE: The term "resident" refers to classification for fee purposes only. See end of this section for resident classifications.

Billing information, reminders and important notices are sent to each student's institutional e-mail address. Paper bills are not sent to the student's address.

## Tuition and Fees

All tuition and fees are subject to change. Please see our homepage for the most current tuition and fee information. From the main home page under Quick Links, select Student Services/ Enrollment Center, next select Student Accounts, then Tuition and Fees to locate this information.

## Refund Policy

After the schedule adjustment period ends (add/drop week), a student must completely withdraw from all registered courses in order to receive any refund of tuition and fees. Fairmont State University will not refund tuition and fees for individual classes dropped after the end of the schedule adjustment period (add/drop week). Please refer to the Registrar's Calendar for specific dates.

## Housing

Information on housing can be found here.

## Dining and Meal Plans

All residents of Morrow Hall, Prichard Hall, Pence Hall, Bryant Place, and University Terrace Semi-Suites are required to purchase a meal plan for use in the Falcon Center cafeteria and restaurants, as well as University Terrace Marketplace. Campus Dining Services offers several meal plans.

For a listing of available dining locations, menus, and Meal Plans, please visit here.

### **Financial Aid**

Financial aid in the form of scholarships, grants, loans, and employment is available to students who need assistance in meeting their higher education expenses and who meet program criteria. All funds are administered by the Financial Aid Services in compliance with federal, state, and institutional guidelines. To receive information about financial aid, contact the Office of Financial Aid located at Turley Student Service Center at (304) 367-4141 or visit our website at <https://www.fairmontstate.edu/finaid/>

### **Need-Based Aid**

Fairmont State's primary purpose in awarding financial aid is to assist those students who wish to attend college and need financial assistance to do so. Financial need is defined as the difference between the "cost of attendance" and "estimated family contribution". Cost of attendance (COA) is a comprehensive figure including estimated tuition/fees, room/board, books/supplies and other educationally related expenses. Estimated family contribution (EFC) is a measurement of the family's financial strength and is based upon information provided in the Free Application for Federal Student Aid (FAFSA). By using the available resources, Fairmont State attempts to meet the financial need of all students.

### **Scholarship Aid**

It is the intent of Fairmont State to foster the highest degree of scholarship among its students. The institution actively recruits students who have excellent academic

records and recognize and reward those who continue to excel.

The objective of the scholarship program is to promote the recruitment and retention of a diverse student body with special talents and abilities. A variety of merit and need-based scholarships have been developed to accomplish this objective. Fairmont State is ultimately responsible for final approval of scholarship programs and related policies and procedures and elicits recommendations from academic departments in that process. The Fairmont State Foundation, Inc., through the auspices of the Fairmont State Foundation's Scholarship Committee, collaborates with the Financial Aid Services to explore new areas of scholarship development and expansion, and assist those interested in establishing new merit-based scholarships or enhancing currently established scholarship programs for Fairmont State.

Fairmont State's Office of Financial Aid Services also manages the disbursement of scholarships for a wide range of externally funded programs received by Fairmont State students.

### **Sources of Financial Aid**

All sources and types of financial aid offered by Fairmont State as well as other non-Fairmont State aid resources are available on the homepage at [www.fairmontstate.edu/finaid/](http://www.fairmontstate.edu/finaid/).

### **Definition of an Academic Year**

The academic year is considered to begin with fall semester, continues with spring semester and concludes with summer.

## **Procedures for Obtaining Financial Aid**

1. Students must be admitted to Fairmont State as a regular degree seeking student.
2. For full consideration of need-based aid, students must submit the Free Application for Federal Student Aid (FAFSA) to the federal processing center by March 1. Students who miss that recommended filing date can submit after that time but funds may be limited. The FAFSA must be submitted annually.
3. For scholarships awarded through Fairmont State's Financial Aid Services Office, students must apply for admission to Fairmont State by February 2. For scholarships awarded through Fairmont State's Colleges and Departments, refer to the website for application requirements, deadline dates, and additional information.

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

To receive funds administered by the Financial Aid Services Office, students must be making satisfactory academic progress (SAP) toward completion of an eligible degree or certificate. Federal regulations require evaluation of both quantitative and qualitative academic progress.

For purposes of financial aid and eligibility, academic progress is reviewed at the end of each academic year. This review will occur at the conclusion of the spring semester.

All students enrolling for the first time (including transfers) will be considered to be making satisfactory academic progress.

The standards of Financial Aid Satisfactory Academic Progress are:

### **Qualitative Progress - Undergraduate**

Required Cumulative Grade Point Average:

01-29 total attempted credit hours.....1.5

30-59 total attempted credit hours.....1.8

60-above total attempted credit hours.....2.0

### **Qualitative Progress - Graduate**

Required to meet a Cumulative GPA of 3.00

### **Quantitative Progress**

#### **Pace of Progress and Maximum Time Frame**

1. **Pace:** Pace is defined as the rate at which attempted academic credits are successfully completed. This is calculated by taking the cumulative number of hours successfully completed and dividing by the cumulative number of hours attempted. (Note: Grades of "W", "F" and "I" count as attempted hours. All transfer hours accepted by the institution are included.)

Students must successfully complete 67% of all hours attempted. The calculation will be rounded to the closest whole number and applies to the graduate programs as well.

2. **Maximum Time Frame:** A student must complete his/her program of study within 150% of the number of hours required for the degree objective. Repeated course work and transfer hours accepted by the institution are included. The maximum time for each level is listed below.

- Associate program of 60 hours-90 attempted hours.
- Baccalaureate program of 120 hours-180 attempted hours.
- Post-graduate work (credits taken after first obtaining degree including pursuit of second associate degree, second bachelor degree and/or teacher certification) must be completed within 60 credit hours.

Since all classes attempted will count toward the 60- hour limit, students should meet with their academic advisor to determine what classes are required for completion of the second degree.

A student who completes the academic requirements for a program but does not yet have the degree or certificate conferred is no longer eligible for federal financial aid for that program.

Financial aid eligibility is limited to no more than two associate degrees, two baccalaureate degrees, and two master's degrees (based upon status in student information system, BANNER). Students who wish to pursue additional degrees beyond these may do so, but without federal financial assistance.

### **Failure to Meet Standards of Financial Aid Satisfactory Academic Progress**

Students who fail to meet the qualitative or quantitative standards defined above at the end of the spring semester will be "suspended" from further financial aid eligibility, effective with the next enrollment period. If the student can meet the qualitative and quantitative standards as defined anytime during the next academic year, aid can be reinstated by making a request to Financial Aid Services for a review of their academic standing.

Students will be notified by postal mail and email of SAP status after grades are posted. SAP status can be viewed on the student's FELiX account.

### **Appeals Process**

A student may appeal the loss of financial aid through the Financial Aid Services Office. To appeal, the student must have experienced extenuating circumstances beyond their control which impacted academic progress. Examples of extenuating circumstances are death of an immediate family member, injury, illness, or other unusual circumstances presented to the Financial Aid Services Office. The appeal must include the following:

1. Why the student failed to make Satisfactory Academic Progress.
2. What has now changed that will allow the student to make satisfactory academic progress at the end of the next semester (statements of good intention are not sufficient).
3. Documentation to verify the extenuating circumstances.

If the appeal is granted, the student will be placed on financial aid probation or contract for one semester and may receive

aid during this semester. At the end of the semester, the student must

meet (a) the defined SAP standards, or (b) the terms of the contract.

Appeals must be submitted by the deadline date established for each semester, generally 2 weeks prior to the start of the semester. Deadline dates will be published on the SAP website.

Late appeals will not be accepted. Students who wish to enroll after the deadline should make plans to pay all charges through personal means.

Appeals will be reviewed by the following and in the following order:

- Financial Aid Appeals Committee
- Executive Director of Student Support Services
- Faculty Senate Financial Aid Appeals Committee. This committee will meet one time during the week prior to the start of the Fall and Spring Semesters. Denial of an appeal by the Financial Aid Director for the Summer Semester is final.

Students are limited to one appeal per level of review and one appeal per semester.

Financial Aid eligibility can be re-established once the student meets SAP standards.

Students who have lost eligibility for financial aid but have not been academically suspended from Fairmont State may continue to enroll in courses. Students are responsible for all institutional charges, such as: tuition, fees, room/board, and books. Once the student meets the

standards of financial aid satisfactory academic progress, the student may again receive consideration for financial aid.

### **Academic Forgiveness and Financial Aid**

Candidates for academic forgiveness may receive financial assistance during the readmission semester if under financial aid probation or an academic plan. If the student does not meet the defined financial aid standards of SAP or the academic plan that was developed for the appeal at the time of review, the student's financial aid will be suspended as dictated by the SAP policy.

### **Repeating Courses**

Students who repeat a previously passed class may have limitations on financial aid eligibility for that class.

### **Nonstandard Courses**

Federal student aid cannot be awarded for courses that are not applicable to degree objective. Examples include non-credit courses, audited courses, and English-as-Second Language (ESL) courses that are not part of an ESL program.

### **Title IV Financial Aid Return of Aid Policy**

If a student withdraws from school whether officially (he/she completes the withdrawal form or drops all classes on the web) or unofficially (student stops attending classes) and has been awarded and/or paid Title IV Federal Aid, the student is subject to a Return of Title IV Aid calculation. This calculation determines how much aid must be returned to the federal programs in the event of a complete official or unofficial withdrawal

prior to completing 60% of the term (see example below).

The calculation determines the amount of federal aid that is considered to be earned and the amount that is considered to be unearned, and therefore must be returned to the Federal programs. State and/or institutional aid may also be subject to return based on the withdrawal date. The earned/unearned amounts are calculated based on the percent of the term completed. The length of the term is defined as the first day of all classes through the last day of all classes (not including a break of 5 days or more).

Students who withdraw and who have been awarded aid that has not disbursed will also be reviewed to determine if they are eligible for a post-withdrawal disbursement. Withdrawn students who have been selected for verification but have not provided the documents necessary for disbursement may be eligible for a post-withdrawal disbursement. Their account will be reviewed and they will be offered a post-withdrawal disbursement, if eligible, and given 30 days to return the requested documentation. Students will only be eligible for the percentage of "earned" aid at the time of withdrawal.

A student may also be subject to a Return of Title IV Aid calculation if they are enrolled for the entire term and only complete one or more classes that end in the first eight (8) weeks part of term.

### **Withdrawal Example**

This example shows what happened when a student withdrew completely on the 21st day of a 108-day semester (70% Tuition refund period). The first table shows how the Return of Title IV calculation applies to

this specific student's situation. Please note that this is only an example; your specific situation may differ. If you are considering withdrawing, we strongly encourage you to consult with your academic advisor and a financial aid counselor prior to taking any official action.

### **Example of Return of Title IV Calculation**

Federal Direct Subsidized Loan	\$1,750
Federal Pell Grant	\$2,675
Federal SEIG Grant	\$2,000

1. Divide number of days attended by number of days in term  
Calculation:  $21 \text{ days} / 108 \text{ days} =$   
Result: Percentage of term completed 19%  
Greater than 60% - All aid is earned; no further steps  
Less than 60% - Use percent of term completed
2. Subtract percentage completed from 100  
Calculation:  $100 - 19 =$   
Result: Percent of term not completed 81%
3. Multiply total federal aid by percent of term not completed  
Calculation:  $6425 \times .81 =$   
Result: Amount of aid that is unearned \$5204.25
4. Multiply total allowable institutional charges by 81% to get amount of unearned aid to be returned by Fairmont State  
Calculation: Total fees =  $2900 \times .81 =$   
Result: Amount of unearned aid to be returned by University \$2349  
University returns: \$1750 Direct Subsidized Loan; \$599 Pell Grant

5. Subtract unearned aid to be returned by Fairmont State from total unearned aid  
 Calculation: 5204 - 2349 =  
 Result: Amount of unearned aid to be returned by student \$2855  
 Student returns: \$2076 Pell Grant and \$779 SEOG  
 (All that is left to repay is the amount the University had to repay.

The following rules apply to the order in which federal aid is returned to the programs:

- Order of repayment to programs is as follows:
  1. Federal Direct Unsubsidized Loans
  2. Federal Direct Subsidized Loans
  3. Federal Direct PLUS (Graduate Loans)
  4. Federal Direct Plus (Parent Loan)
  5. Federal Pell
  6. Federal Supplemental Educational Opportunity Grant (FSEOG)
- The University returns its portion first; then the student's portion is returned
- Any loan amounts unearned from the student's share are not required to be repaid immediately (will be repaid in the normal repayment process)
- For grants, only the portion of unearned grants due from the student that exceeds 50% of the total federal grants received for that payment period is required to be returned

Please keep in mind this repayment policy is applied before the institution's refund policy. The school's refund policy may reduce the amount owed to the school by the student for aid returned. It is important

to note that a student who withdraws from school could owe federal financial aid as well as repayment to West Virginia Higher Education Grant Program, PROMISE Scholarship Program and other scholarships and awards.

### **Veterans' Policies**

The following policies and procedures will be observed by Fairmont State for the purpose of determining satisfactory progress for all students receiving veterans' benefits. The Veterans Administration will be notified of any veteran who is not maintaining satisfactory progress. This does not replace the Financial Aid Satisfactory Academic Progress Policy and if applicable, a student may be subject to both policies if receiving federal financial aid and veterans' educational benefits.

Any veteran students using U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from the VA, we will not: Prevent their enrollment; assess a late penalty fee to; require they secure alternative or additional funding; deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

### **Registration**

Veterans and dependents receive priority registration privileges. Please see the Registrar's calendar for priority registration dates each semester

### **Class Attendance**

If a student receiving veterans' benefits withdraws from the University or an individual class and the Veterans Certifying Official has no prior notice of irregular class attendance, the official withdrawal date on the withdrawal form completed in the Registrar's Office will be assumed as the last date of class attendance.

The Veterans' Certifying Official runs a report to identify these students and notifies the Veterans Administration.

### **Final Grade for All Courses Attempted**

The final grade policy for all attempted courses applies to all students at Fairmont State, including those receiving veterans' benefits.

### **Suspension**

The Veterans Administration will be notified immediately at the end of the semester if a student receiving veterans' benefits is suspended. The Office of the Registrar of Fairmont State supplies the Veterans Certifying Official with a list of students suspended. This list will serve as the basis for notification to the Veterans Administration.

### **Summary**

As indicated above, students receiving veterans' benefits are subject to all institutional policies of grading, attendance, and withdrawal. It is the responsibility of the Veterans Certifying Official to administer the procedures listed above and to notify the Veterans Administration, in every instance, indicating lack of satisfactory progress by the student receiving veterans' benefits. There are no separate policies of

attendance, withdrawal, or grade average calculation for students receiving veterans' benefits. Evidence of unsatisfactory progress during a semester may result in loss of benefits back to the point at which satisfactory progress ceased (i.e., irregular withdrawal from class). It is the veteran's responsibility to immediately notify the Veterans Certifying Official of any changes in their enrollment status. If a change in enrollment status reduces the amount of veteran's benefits, the VA may request restitution from the student or the school. If requested, the school will return that portion of Veterans Assistance received. Student will then be billed for the balance. Collection of that balance will follow normal procedures.

### **Military Deployment Procedures**

If you are called to active duty in the military while enrolled at Fairmont State, you will be designated as being on a "Military Leave of Absence." The following policies and procedures are designed to make your transition from active duty and your return as convenient as possible. Please read the information below and review your choice of options. If you receive any form of financial assistance, it is imperative that you meet with the Financial Aid and Scholarships Office, Veterans Services, and Enrollment Services. You must provide Enrollment Services with a copy of your deployment papers no matter what option you select.

#### **Option 1**

When called to active duty during an academic semester, you may withdraw completely from the semester and receive a full tuition refund. You will also receive a prorated refund for campus housing, meal plan, and parking. After consultation with the Financial Aid and Scholarships Office,



Veterans Services, and Enrollment Services, your transcript for the semester may show enrolled with "W"s or you may be completely deleted from that semester. If you choose to have all of your classes deleted, all financial aid received for the semester must be returned to the federal, state, and/or institutional Programs from which it was awarded.

This in turn may leave a balance due the school if you have already received a refund check. This balance will be pursued through normal collection procedures.

## **Option 2**

You may contact your individual instructors to determine if you have completed enough work for the semester to receive an incomplete or a final grade for the course. The decision rests solely with each faculty member. You should have completed at least three fourths of the semester before a faculty can award a final grade for a course. If you wish to pursue this option, you will need to contact Veterans Services. Veterans Services will discuss the procedure with you and provide a form for faculty members to sign. Each faculty member must sign the form to indicate that they will give you an incomplete or final grade for the course.

Upon return from active duty, you will have one year to make up your incomplete/s. At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to an "F."

You may also officially withdraw from specific courses that you do not wish to complete. You will receive a prorated refund based upon the number of credit hours you retain. Upon consultation with the Office of Financial Aid and

Scholarships, Veterans Services, and Enrollment Services, your transcript for the semester may show "W"s for courses in which you officially withdraw or you may be completely deleted from those courses. If you choose to have some of your classes deleted, all financial aid received for the semester for those classes must be returned to the Federal, State, and/or Institutional Programs it was awarded from.

This in turn may leave a balance due the school if you have already received a refund check. This balance will be pursued through normal collection procedures.

## **Residential Classification**

### **General**

Residency Classification is guided by Title 133 procedural rule Series 25 as established by WV Higher Education Policy Commission and authorized by WV Code 18 B-10 and 18 B - 2B - 6.

Students enrolling in a West Virginia public institution of higher education shall be classified as resident or nonresident at the time of admission for tuition and fee purposes.

If there is a question regarding residency classification, the matter must be brought to the attention of the office of the University Registrar and acted upon at least two weeks prior to registration and subsequent to payment of tuition and fees. Students found to have made false or misleading statements concerning their residence shall be subject to disciplinary action and will be charged the nonresident fees for each session therefore attended.

### **Resident Determined by Domicile**

Domicile within the State means adoption of the State as a fixed permanent home and involves personal presence within the State with no intent on the part of the person to return to another state or country. West Virginia domicile may be established upon the completion of at least 12 months of continued residence within the State prior to the date of registration, provided that such residence is not primarily for the purpose of attendance at any institution of learning in West Virginia.

Establishment of West Virginia domicile with less than 12 months" residence prior to the date of registration must be supported by proof of positive and unequivocal action, including but not limited to the purchase of a West Virginia home, full-time employment within the state, paying West Virginia property tax, filing West Virginia income tax returns, registering to vote in West Virginia and the actual exercise of such right, registering of motor vehicles in West Virginia, and/or possessing a valid West Virginia driver's license. Additional items of lesser importance include transferring or establishing local church membership, involvement in local community activities, affiliation with local social, civic, fraternal or service organizations, and various other acts which may give evidence of intent to remain indefinitely within the State. Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established.

## **Minors**

Minors are defined by the West Virginia Code 2-2-10 as persons under 18 years of age. The residence of minors shall follow that of the parents at all times, except in extremely rare cases where emancipation

can be proved beyond question. The residence of the father, or the residence of the mother if the father is deceased, is the residence of unmarried and un-emancipated minors. If the father and the mother have separate places of residence, minors take the residence of the parent with whom they live or to whom they have been assigned by court order. The parents of minors will be considered residents of West Virginia if their domicile is within the State.

Minor students who are properly admitted to an institution as resident students shall retain that classification as long as they enroll each successive semester.

## **Emancipated Minors**

Emancipated minors may be considered as adults in determining residence, provided satisfactory evidence is presented that neither of their parents, if living, contributes to their support nor claims them as dependents for federal or State income tax purposes. Emancipated minors assume all of the responsibilities of adults to establish residence for tuition and fee purposes. Proof must be provided that emancipation was not achieved principally for the purpose of establishing residence for attendance at an institution of higher education.

## **Students Eighteen Years of Age or Over**

Students 18 years of age or over may be classified as residents if (1) the parents were domiciled in the State at the time the students reached majority and such students have not acquired a domicile in another state, or (2) while adults, students have established a bona fide domicile in the State of West Virginia. Bona fide

domicile in West Virginia, means that students must not be in the State primarily to attend an educational institution and they must be in the State for purposes other than to attempt to qualify for resident status.

Nonresident students who reach the age of 18 years while students at any educational institution in West Virginia do not by virtue of such fact alone attain residence in this state for admission or tuition and fee payment purposes.

Students who are properly classified as residents at the time they reach the age of 18 shall continue to be classified as residents as long as they enroll each successive semester and do not establish a domicile, or legal residence, in another state.

### **State Residents 65 Years of Age or Older**

Residents of West Virginia who are at least 65 years of age may attend class for credit or no credit if space is available. Eligibility will be determined based on appropriate documents reflecting age and residency. Participants will be admitted according to the process for "Non-Degree Seeking" outlined in the admissions policies. Students may register anytime during or after the preregistration period designated for "All Other Students" and through the Regular and Late Registration periods. Appropriate dates and times will be published in the Schedule of Classes for each term. Participants may register for either on or off-campus courses.

Eligible participants may elect one of two options for enrollment. Participants must identify themselves and choose an option at the time of registration.

**No Credit Option:** Eligible participants will be assessed fifty dollars (\$50) per course plus applicable fees (i.e. technology, laboratory, parking permits) when appropriate.

**Credit Option:** Participants electing to earn college credit will be granted a waiver of fifty percent (50%) of the normal tuition and fees for courses. Technology, laboratory, parking and other special fees will be charged at the regular student rate.

### **Military**

An individual who is on full-time active military service in another state or a foreign country or an employee of the federal government shall, be classified as an in-state student for the purpose of payment of tuition and fees: PROVIDED, that the person established a domicile in West Virginia prior to entrance into federal service, entered the federal service from West Virginia, and has at no time while in federal service claimed or established domicile in another state. Sworn statements attesting to these conditions may be required. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

Persons assigned to full-time active military service in West Virginia and residing in the state shall be classified as in-state students for tuition and fee purposes. The spouse and dependent children of such individuals shall also be classified as in-state students for tuition and fee purposes.

In accordance with Section 702 of the Veterans Access, Choice and Accountability Act, Fairmont State offers

instate tuition and fees to all Veterans and Family members covered under this Act.

## **Aliens**

Aliens in the United States on a resident visa, or those who have filed a petition for naturalization in the naturalization court and who have established a bona fide domicile in West Virginia, may be eligible for resident classification provided they are in the State for purposes other than to attempt to qualify for residency status as students.

## **Former Domicile**

A person who was formerly domiciled in the State of West Virginia and who would have been eligible for an instate residency classification at the time of his/her departure from the state may be immediately eligible for classification as a West Virginia resident, provided such person returns to West Virginia within a one-year period of time and satisfies the conditions of Section Two regarding proof of domicile and intent to remain permanently in West Virginia.

## **Appeal of Residency Classification**

Adult students who have been classified as out-of-state residents and who seek resident status in West Virginia must prove conclusively that they have established domicile in West Virginia with the intention of making their permanent home in this state. The intent to remain indefinitely in West Virginia is evidenced not only by persons' statements but also by their actions. The designated institutional officer shall consider actions including but not limited to those described above in Section Two, "Residence Determined by Domicile."

Proof of a number of these actions shall be considered only as evidence which may be used in determining whether or not a domicile has been established. Factors militating against a change in residence classification may include such considerations as the fact that students are not self-supporting, that they are carried as dependents on their parents' federal or state income tax returns or their parents' health insurance policy, or that they customarily do not remain in the State when school is not in session.

The decisions of the Registrar may be appealed to the President of the institution. The President may establish such committees and procedures as determined necessary for the processing of appeals.

# Student Services

## Introduction to Campus Life

Opportunities for social and cultural engagement are a significant part of a student's educational experience. Fairmont State provides many services, activities, and organizations in which students may choose to engage as they acclimate to the college environment. The following section of the catalog describes these opportunities in detail.

Matters concerning student rights, responsibilities, and student conduct can be found in the published online Student Handbook

## Welcome Weekend

Welcome Weekend is students first opportunity to participate in academic and social programming; and is specifically designed to aid new students in the transition to campus and to college life in general. Programs are offered to make students feel welcome in their new environment and to introduce them to the support services which are essential to their persistence and success. Each student attending the event will be fully oriented to their academic college, as well as the broader institution, and will walk away from the event with a clear set of expectations in both academic and social/behavioral realms. Welcome Weekend highlights include the annual Convocation Ceremony, a picnic, outdoor lawn games, live entertainment, a resource fair featuring local businesses, community service opportunities and more.

Incoming students will receive an invitation by mail which will include RSVP instructions. For more information, please

visit [www.fairmontstate.edu/welcome-week](http://www.fairmontstate.edu/welcome-week) or, contact the Office of Student Success

## Housing and Residence Life

Fairmont State maintains five residence halls which accommodate around 1,200 students. Each residence hall provides a learning environment which is designed to enhance academic and social life. Housing contracts are for the entire academic year and prices vary by residence hall. For additional information, contact Residence Life at (304) 367-4216.

University Terrace, Fairmont State's newest residential facility has apartments and semi-suites that accommodate 345 students. All apartments and some semi-suites operate on a year-round lease. Tenants are required to abide by all rules and regulations. Prices vary based on room type and length of lease.

1. All students are required to live in campus housing unless approved for an exemption to the residency policy. Students interested in applying for an exemption must submit (a) an application, which can be found on the student's myFairmontState account, and (b) any required documentation. All students must receive written confirmation of their exemption from the campus residency requirement before making housing arrangements off-campus. Students requesting exempt status from the residency policy must submit the request at least 30 days prior to the start of the semester indicated in the request. Students may not request an exemption after he/she has completed the

- lease agreement for the academic year.
2. Students must pay a \$200 deposit in order to complete their applications and reserve a room. Housing assignments are completed based upon the student's date of completed application. All residence hall applications and assignments are made for the entire academic year
  3. The deposit refund deadline for the fall semester is May 31st. The deposit refund deadline for the spring semester is November 30th. The deposit is forfeited if the cancellation or release request is not submitted by the semester deadlines. The deposit, less any damages or other outstanding charges, will be returned at the end of the occupancy period.
  4. Cancellation for current students ONLY: You may cancel your housing application with us for the upcoming academic year ONLY if you do so by May 31st in writing to [reslife@fairmontstate.edu](mailto:reslife@fairmontstate.edu). Your cancellation will be considered if you meet any of the following requirements:
    - You have met the four (4) consecutive semester requirements
    - You plan to live at home with a parent/guardian within 50 miles of campus
    - You are over the age of 21
    - You are married
    - You have graduated
    - You became a parent
    - You have withdrawn from the University

For any returning student who requests a cancellation after the May 31st deadline the cancellation will not be considered under any circumstances and you will be assessed full room/board charges if applicable.
  5. The institution reserves the right to limit the number of students in the residence halls under its control.
  6. Students who live in the traditional residence halls or semi-suites in University Terrace must purchase a Meal Plan for the Dining Hall.
  7. Room and board fees must be paid in full for a semester prior to the first day of classes.
  8. All residence hall students and their parents or guardians are responsible for being familiar with the University Student Code of Conduct and all other regulations that are listed and explained in the Residence Hall Guide to Success.
  9. In cases where a preponderance of evidence exists of policy violation or criminal action, the student's room will be searched in accordance with the University Student Code of Conduct. The student will then have a student conduct hearing to determine the outcome of the incident.
  10. Any residence hall student who is suspended or expelled from the institution and/or a residence hall for disciplinary reasons will be responsible for paying for the remainder of the housing contract.
  11. All residence halls are tobacco, smoke, and vapor free.
  12. Alcoholic beverages or illegal substances are not permitted on campus, including all residence halls.

## **Student Parking Regulations**

The campus provides a 940-space parking garage for students as well as parking spaces in defined areas throughout the campus. Parking permits are required and are included in tuition; they can be obtained from Enrollment Services in Turley Student Services Center. Students receive parking maps at the time of admission and they are available from the Dept. of Public Safety. Visitor and/or day passes can be purchased from the Dept. of Public Safety. Additional information may be found in the Student Handbook.

## **Falcon Center**

The student Falcon Center, centrally located on campus, provides an environment where students and employees can comfortably interact with one another while enjoying a variety of fitness and recreation programs, eating areas and study lounges. The campus bookstore, copy center, computer labs, dining services, food court, and much more are available for both students and employees.

Included in the recreation/fitness areas are: 7,000 square feet of fitness equipment, five multi-purpose courts marked for basketball, volleyball, badminton and indoor soccer; multi-purpose rooms offering a variety of fitness classes; 25-yard fitness/lap pool, Jacuzzi, sauna, and outdoor eating area; four-lane cushioned jogging/walking track and spacious locker rooms with lockers that may be rented. Throughout the year, the Falcon Center offers special events such as health fairs, wellness and health eating programs, up-all-night parties, and much more. Also, the Falcon Center has a wide range of student social events as well as intramural sports available for students and staff. Located in

the Falcon Center is "The Nest" which provides students in need with essential resources such as food, hygiene, and baby products. For further information, call the reception desk at 304-368-7222.

## **Campus Card Services**

Campus Card Services offers many services to help you with your ID needs.

Your Student ID Card is your official Fairmont State identification. Students can get their ID card issued in the Falcon Center, on the first floor, or at the Turley Center. For further information, please contact Campus Card Services at (304) 368-7227.

## **Bookstore**

The campus bookstore, located on the second floor of the Falcon Center, carries all textbooks and school supplies needed for classes and a large selection of Fairmont State apparel and gifts. Other items available include diploma frames, graduation supplies, general reading books, reference and test prep books, flash drives, school spirit items, residence hall room supplies, work out items, and much more. Computers and computer software, at educational discounts, are available through the bookstore website. Students may charge textbooks and supplies to their student account, both in-store and online. Clothing, giftware, and many more items are available for purchase through the online site as well. We now accept Falcon Dollars as a form of payment. The bookstore can be contacted at 304-333-3636.

## **Cafeteria**

Marketplace-style breakfasts, lunches and dinners are served Monday through Friday in the Cafeteria, located on the third floor

of the Falcon Center (the student activity center). Brunch and dinner meals are available on weekends and on some holidays. Students with meal plans are to attend meals at this location or may use their Flex Dollars to buy food or groceries at one of the retail venues on campus. Commuter students may also dine in the Cafeteria by purchasing the all-you-care-to-eat option. Commuters have another option - purchasing a commuter meal plan. Commuter can purchase an On-the-Go" meal plan, which has \$474 or Falcon Fuel which as \$201 Flex Dollars. Every meal plan participant must present his/her student ID card to the cashier to show payment for a meal. To learn more about the dining options and to make suggestions, call the Dining Services office.

### **Food Court**

Chick-Fil-A, Starbucks, and Chilaca is located on the second level of the Falcon Center that provide additional dining options, especially for those in a hurry. Meal Plan participants may elect to use some of their Flex Dollars at any retail food outlet.

### **The Libraries of Fairmont State**

MAZURE, SHARON L. (1997)  
Library Director, Acquisitions, Reference,  
and Interlibrary Loan

CHIBA, TORU (2002)  
Reference and Electronic Services Librarian

HIVELY, CHARLEY (2007)  
Reference and Instructional Services  
Librarian

SHERMAN, JACQUELYNN (2016)  
Assistant Library Director, Reference, and  
Emerging Technologies

DOVER, ASHLEY (2022)  
Student Success Librarian

Fairmont State has two libraries that may be used by all students, faculty, and staff. The Ruth Ann Musick Library is full service and is located on the main campus. The second facility is located at the National Aerospace Education Center (NAEC) at Bridgeport and provides aerospace resources.

These libraries function at the heart of the institution's academic programs. Library staff members work closely with students and faculty to develop research skills and to provide a wide range of support services that enhance the learning experience. The libraries' print and electronic holdings are designed to support the curricular needs of the academic program of study offered and to encourage intellectual and personal growth in all areas of the sciences, social sciences, humanities, and technology

The libraries provide easy access to over one million items, including books, magazines and journals, specialized reference works, newspapers, government documents, style manuals, DVDs, and other streaming multimedia. There are over 120 academic electronic databases accessible from the library's homepage, and nearly 750,000 electronic books are available through the online catalog. More than 50,000 journals, magazines, and newspapers are accessible through online databases. A limited number of print journals and newspapers are also available. The Fairmont State Library is a member of WVDELI, a consortium of public and academic libraries providing downloadable materials: books, magazines, audio, and video, for all library users.



The librarians offer instructional programs and training sessions that explain the use of the library's resources, methods of dealing critically with available information, and ways in which the library can provide information, both through traditional methods and through the use of electronic formats. Training in the use of information gathering on the Internet and the libraries' electronic information resources is available to all users.

The library on the main campus is open over 70 hours a week during fall and spring semesters and over 40 hours a week during the summer sessions. At least one professional librarian is available or on call most hours that the library is open. The librarians provide individualized assistance with projects, research, questions, and papers.

Interlibrary loan is available if students and faculty need research materials that are not available in one of the libraries. Users may place requests online, using ILLIAD software, and the library absorbs any fee involved. Books come in by mail and articles are electronically transmitted to the requestor.

Specialized assistance in locating resources is available. Students and faculty may visit the reference desk in person, phone or e-mail questions to the librarians, or ask for help via a live chat. All online resources are available remotely from any location with Internet access, through the use of the UCA (Unified College Account) username and password.

### **Student Success**

The Student Success office is focused on keeping students continuously enrolled through completion and is here to help students with developing academic skills, finding campus resources and creating a connection to campus. Besides outreach

efforts, the Student Success office is open for individual appointments to talk through solutions to students' troubles.

The Student Success is located in the Turley Student Services Center. For Appointments and more information, please call (304) 333-3360, email [success@fairmontstate.edu](mailto:success@fairmontstate.edu) or visit [www.fairmontstate.edu/retention](http://www.fairmontstate.edu/retention).

### **Career Services**

The Office of Career Services provides students and alumni with a variety of benefits, including career exploration, life planning, and job searching assistance. Students can utilize career counseling and online software to clarify their options. An extensive career resource library is also available. The Office of Career Services provides the following to both students and alumni:

- Assistance in declaring a major through a variety of assessment tools
- Personalized career counseling
- Information on employment trends, outlooks, etc.
- Internship/practical experience opportunities
- Workshops, career/job fairs
- Graduate school information
- An online resume and job database
- Full and part-time job opportunities
- Assistance with resumes, cover letters, and interviewing
- Practice interviews (videotaping is available)
- On-campus interviewing
- Career resources library

The Office of Career Services is located in 248 Hardway Hall and can be contacted at 304-367-4709.

## **Counseling Services**

The Counseling Center offers high quality counseling services to Fairmont State's undergraduate and graduate community. Psychological, emotional, and mental well-being are important contributors to academic success, personal growth and success. Students can obtain assistance with a variety of issues that affect their emotional and interpersonal development through individual counseling, group counseling, training, consultation, and referral services that are provided to the members of the Fairmont State community.

The primary mission of Counseling is to assist Fairmont State students in defining and accomplishing personal, academic, and career goals. To accomplish the mission, Counseling Services strive for high quality provision of:

- Individual and group counseling services to students who may be experiencing psychological, behavioral, or learning difficulties.
- Programming focused on the developmental needs of students to maximize their potential to benefit from the academic environment and experience.
- Consultative services to the institution to help foster an environment supportive of the intellectual, emotional, spiritual, and physical development of students.
- Advocacy for a healthy and diverse learning community.
- Assessment services to identify and address student needs through appropriate services and referrals.
- Crisis response, including threat assessment.

Contacts with the Counseling Services are held in strict confidence. Appointments may be made by calling 304-333-3661 or in person.

The office is located in 316 Turley Student Services Center. For more information please visit our website <http://www.fairmontstate.edu/counseling>.

## **Accessibility Services**

The Office of Accessibility Services at Fairmont State University is dedicated to facilitating equal access to all institutional opportunities for students who have disabilities. We collaborate with administrators, faculty, and other personnel on campus to identify and remove barriers to foster an all-inclusive campus. It is the responsibility of the student to self-identify to our office. Once registered, the Office of Accessibility will work with students to establish accommodations, aids, and services. Through an individual consultation, a staff member will engage in an interactive process with each student to understand how his or her disability intersects with the institutional environment and how accommodations can reduce barriers to success.

The Office of Accessibility is located in 237 Hardway Hall and can be reached at (304)333-3661. For more information please visit our website [www.fairmontstate.edu/access](http://www.fairmontstate.edu/access).

## **International Student Services**

The Educational Pathways for International Centers and Students (EPICS) Office offers onboarding of new students, immigration advisement, support services, counsel, and programming for all international students from applicant through alumni status. A trained staff supports international students

as they settle into the community and assists in locating the resources they require to succeed academically. All student applicants who hold a United States visa or who have been educated at the high school or collegiate level outside the United States should contact the Office of International Student Services when seeking admission. All international students must meet with a Designated School Official (DSO) upon arriving on campus and at the beginning of each semester thereafter to complete immigration procedures with SEVIS prior to the start of classes. International students must bring their passports, visas, I-20s (Certificate of Eligibility for Non-Immigrant Student Status), and I-94 (Arrival/Departure Record) to each semester meeting. For additional information about the program, email the Associate Director of EPICS Sarah Sakaguchi at [sarah.sakaguchi@fairmontstate.edu](mailto:sarah.sakaguchi@fairmontstate.edu). The EPICS Office is located in the Turley Student Services Center Suite 311.

### **Falcon Wellness and Mental Health**

The Student Health Service is located on the 3rd floor of the Falcon Center. Office hours are Monday through Thursday from 8:00 a.m. until 4:00 p.m. and Fridays from 8:00 a.m. until 12:30 p.m. A healthcare provider is available to care for students' needs during those hours.

The service is available only to currently enrolled students with a valid student ID. Summer hours are the same as those of the general institution. Students may visit the office for any reason that may cause them to seek treatment from their general health care provider or urgent care center at home. If a high level of care is needed, the student will be referred to the appropriate facility or a referral can be made. Students are encouraged to make an appointment

by calling (304) 367-4155 but walk-ins are always welcome.

### **Tutoring**

Tutoring is available on a "drop-in" basis to all Fairmont State students through the Tutoring & Testing Center on the middle floor of the library. Students have access to both professional and student tutors in subject areas such as math, chemistry, biology, physics, engineering technology, anatomy & physiology, and much more! Praxis and TEAs test prep assistance is also available. All services are free, and tutors are trained to provide targeted assistance with academic skills, such as test preparation, effective studying techniques, and time management. Students are encouraged to visit the center early and often! For hours of availability, contact the Director of Tutoring and Testing Center in the Library, 2nd Level at 304-367-4722.

### **Writing Center**

The Fairmont State Writing Center offers one-on-one peer tutoring to help students with writing assignments. This service is free for all full-time and part-time students. Tutors are trained to help with any kind of writing, including essays, research papers, technical documents, and writing in any discipline. Additional assistance is available for students with documented disabilities and those for whom English is not their first language. For hours of availability, check the Tutoring Services college website. The Center accepts walk-ins or appointments.

### **Student Activities and Organizations**

The Office of Student Activities (OSA) provides students with opportunities to attend and participate in a wide variety of engaging social activities. These activities include but are not limited to comedy shows, musical performances, dances, educational and motivational lectures, and

many other enjoyable events. A calendar of student events and activities can be found on Fairmont State's homepage under Campus Life dropdown menu and clicking on the "Calendars" link.

The OSA is located in 317 Turley where the Coordinator of Student Activities also resides. The best way to contact the OSA is by emailing:

[StudentActivities@Fairmontstate.edu](mailto:StudentActivities@Fairmontstate.edu).

The Office of Student Activities also oversees the registration and operations of over 50 Student Organizations, Clubs, Honor Societies and Greek Life Communities.

### **Student Organizations**

Fairmont State has over 50 student organizations that include clubs, Honor societies and Greek Life communities for the promotion of interests in various academic fields, the recognition of outstanding achievement in various campus activities, and for general social purposes. A list of currently active organizations can be found online at Fairmont State's home webpage under the Campus Life dropdown menu, and clicking on the "Student Organizations" link.

Please contact the Office of Student Activities for more information by emailing:

[StudentActivities@Fairmontstate.edu](mailto:StudentActivities@Fairmontstate.edu)

### **Forensics (Public Speaking, Oral Interpretation, and Debate)**

Fairmont State offers a variety of programs for all students interested in public speaking, oral interpretation, and debate. Participation in all of these activities is open to any full-time student in good academic standing at Fairmont State. All activities operate under the direction of the Communication and Theatre Arts faculty.

The Intercollegiate Debate Squad participates annually in several intercollegiate debate tournaments and community-based events.

Students may participate in intercollegiate competitions in oratory, extemporaneous speaking, persuasive speaking, impromptu speaking, after dinner speaking, and prose, poetry, and dramatic interpretation. All full-time students have the opportunity to participate in the Annual M.M. Neely Persuasive Speaking Contest. The contest is a public speaking event which is endowed by the heirs of the late U.S. Senator and Governor of West Virginia, Matthew Mansfield Neely.

### **Intramural and Club Sports**

Intramural Sports offers students, faculty & staff at Fairmont State the opportunity to participate in many organized sports and activities on a competitive and recreation level. Its mission is to encourage, promote and develop active living and healthy lifestyles, as well as personal growth through competition and recreation. All skill levels are welcome and there is no fee to participate. Students must be currently enrolled in on-campus classes and/or have admission to the Falcon Center, and employees must be currently working on campus.

Our goal is to provide a structured sporting environment that maintains competition, camaraderie, physical fitness and fun while promoting sportsmanship and respect for competition among participants and spectators.

Events are organized for competitive play among groups, individuals and campus organizations in both semester long league sports as well as over 15 different single-night events. Our single night events

include both tournament format and open play in such things as volleyball, dodgeball, ping pong, cornhole, Texas Hold'em, Knockerball, indoor soccer and many more.

Several club sports are organized on the campus and students currently enrolled in at least 6 credit hours with a 2.0 or better GPA are eligible to participate. Current clubs include Men's and Women's Rugby, Cheerleading, Dance, Powerlifting, and Fishing. Club Sports are 100% Student supported with guidance from the Intramural Department. Contact information for each club team can be found on the web page or for additional information, please contact the Director of Intramurals & Recreation at (304) 367-4291 or email [intramurals@fairmontstate.edu](mailto:intramurals@fairmontstate.edu).

### **Music Organizations**

Performing organizations in the Department of Music are open to all interested and qualified students.

Instrumental organizations include the Fairmont State Marching Band, Wind Ensemble, and Jazz Ensemble. Other ensembles include Woodwind Ensemble, Guitar Ensemble, Percussion Ensemble, African Drum and Dance Ensemble, and Piano Ensemble and are organized on demand under faculty supervision.

Vocal ensembles include: Collegiate Singers, the Chamber Choir and Community Chorus. Additional ensembles are organized on occasion under faculty supervision.

All musical ensembles present concerts on and off campus during the school year. Students may receive credit in the General Studies curriculum by performing in Marching Band, Wind Ensemble, Collegiate Singers, Jazz Ensemble,

Chamber Choir, and Percussion Ensemble. Interested students should contact (304) 367-4169.

### **Publications**

Student publications available on campus include The Columns, the student newspaper; The Mound, the yearbook; Whetstone, the student art and literary journal; and Tracts, the student scholarly journal.

Staff positions are open to all interested students, with approval of the respective editor and advisor. Application forms are available in 311 or 301 Jaynes Hall. Students participating as staff members may also receive variable course credit for their work. Editors are responsible for staff assignments, and enrollment is by advisor permission.

Editor positions for the respective publications are competitive and chosen annually by the Student Publications Board, which governs all student publications.

Student publications allow students to hone their writing, editing, photographic, and graphic-design skills in professional settings, using advanced computer technology. The Columns is published six times per semester. The Mound, Whetstone, and Tracts are published annually. Whetstone showcases student writing and art and accepts submissions on a rolling basis. Kestrel: A Journal of Literature and Art is published biannually by the Department of Language and Literature. This journal features poetry, fiction, nonfiction, drama, translations, and visual art from art and literary professionals around the world. With a mission of promoting living literature and art, Kestrel acts as a cultural bridge to the community. Each year, Kestrel provides a three-credit

internship to a junior or senior. Interested students should inquire through Dr. Donna J. Long, the editor, in 315 Jaynes Hall or at [Donna.Long@fairmontstate.edu](mailto:Donna.Long@fairmontstate.edu).

Additional publication opportunities are available through the Frank and Jane Gabor West Virginia Folklife Center: [www.fairmontstate.edu/wvfolklife](http://www.fairmontstate.edu/wvfolklife).

### **Religious Organizations**

The Wesley Foundation, sponsored by the United Methodists and Presbyterians is located across the street from campus and next to the Alumni Center. The Wesley Foundation runs a weekly free-lunch program for students in need. For more information, contact Reverend Maria Wiblin at [maria.wiblin@gmail.com](mailto:maria.wiblin@gmail.com). Students can also contact the Wesley Foundation at (304) 363-8210 or [fairmontstatewesleyfoundation@yahoo.com](mailto:fairmontstatewesleyfoundation@yahoo.com).

The campus Roman Catholic Community gathers at the Newman Center which is located directly across the street from the entrance to Bryant Street Residence Hall. The Newman Center is a full-service campus ministry organization available to all administrators, faculty, staff and students. Weekend services are at 7 p.m. Saturday evening and 10 a.m. and 12 noon on Sunday. Contact the Newman Center at (304) 363-2300.

Chip Alpha is a campus ministry-based organization here at Fairmont State University. The mission of Chi Alpha is to reconcile students to Jesus Christ, thereby transforming the university, the marketplace, and the world. The core values are Community, Creativity, Diversity, Excellence, Integrity, and Servant-Leadership. For more information on more Chi Alpha, including meeting times and

locations, please contact Charlie Rosser at [Charlie.Rosser@gmail.com](mailto:Charlie.Rosser@gmail.com).

### **Student Government Association**

Student Government actively seeks to supplement the academic atmosphere with intellectual, cultural, and social activities. Student Government members are involved in all aspects of life on campus and work cooperatively with the college administration, alumni, and community.

Every segment of the student body is represented in the Student Government Association. Members are elected each spring by the student body and receive special training for their positions. The association comprises a President, Vice President, Secretary, Treasurer, Parliamentarian, representatives of each class (Freshmen, Sophomore, Junior, and Senior), Board of Governor's Representative, House of Representatives, Statewide Advisory Council Representative, Faculty Senate Representative, and a Director of Publications. Student Government elects an advisor who must be a fulltime faculty or staff member.

Student Government meets weekly. All meetings are open to the public. Meeting location and times are subject to change; further information can be found on the Student Government website [www.fairmontstate.edu/stulife/student-government/student-government](http://www.fairmontstate.edu/stulife/student-government/student-government).

### **Intercollegiate Athletics Policies**

The program of intercollegiate athletics at Fairmont State is supervised by a Director of Athletics, who reports to the University President. The Fairmont State Athletic Association (FSAA), the Faculty Senate Athletic Committee, and the Athletic Affairs committee (a sub-committee of the BOG),

are available to advise the Director of Athletics.

The mission of Fairmont State University Department of Athletics is to actively support the University's mission of teaching, research, and service by providing an atmosphere in which student-athletes can succeed at championship levels within the spirit of fair play, sportsmanship, and integrity.

In pursuance of the policies recommended by the North Central Association, the following minimum standards governing intercollegiate athletics are maintained:

- The ultimate responsibility for the conduct of the athletic program rests with the President of the University.
- Students participating in athletics are admitted by the Director of Admissions on the same basis as other students. Athletes are required to maintain the same academic standards as non-athletes.
- The award of scholarships, student loans, and student employment to athletes are made through the same agency of the Institution and on the same basis as grants of aid to all other students. All employed students are required to give full and honest work for pay received.
- All athletic funds are handled by the Business Office. An audit of the receipts and disbursements of these funds is made annually by the Legislative auditors.
- An effort is made to compete only with institutions having similar educational and athletic policies.
- Fairmont State is a member of the Mountain East Conference and the

National Collegiate Athletic Association (NCAA).

- Athletic participation is regulated and controlled by the eligibility rules of the Conference and the NCAA. Copies of these rules are on file in the Office of the Director of Athletics.

It is our philosophy to offer a variety of sports for men and women so that they meet the needs and interests of individual students, as well as those of the student body as a whole. Furthermore, the athletics program serves as a cohesive agent in bringing about good university community relationships, and it provides a rallying point where students, faculty, staff, and administrators come together in one common place to show pride, enthusiasm, and loyalty to Fairmont State University.

### **Progress-Toward-Degree Requirements**

To be eligible to represent an institution in intercollegiate athletic competition, a student-athlete shall maintain progress toward a baccalaureate or equivalent degree at that institution as determined by the regulations of that institution. As a general requirement, "progress toward degree" is to be interpreted at each institution by the academic authorities who determine the meaning of such phrases for all students, subject to controlling legislation of the conference or similar association of which the institution is a member.

### **Fulfillment of Minimum Hours and Grade-Point-Average for Student-Athletes**

A student-athlete shall meet the "satisfactory completion" provision of this requirement by maintaining a grade-point

average that places the individual student-athlete in good academic standing, as established by the institution for all student athletes who are at an equivalent stage of progress toward degree. To fulfill the "satisfactory completion" provision of this requirement, a student-athlete who first enters a Division II institution after 1988-89 academic year must achieve the following cumulative grade-point average (based on a maximum of 4.0) at the beginning of the fall term or at the beginning of any regular term of that academic year, based on the student-athletes earning:

1. 24-semester or 36-quarter hours:  
1.8;
2. 48-semester or 72 quarter hours:  
1.9;
3. 72-semester or 108 quarters hours:  
2.0; and
4. 96-semester or 144 quarters hours:  
2.0.

A student-athlete must meet the minimum cumulative grade-point average at the certifying institution based on the method of calculation used by the institution for calculation cumulative grade-point averages for all students, and the calculations shall include only course work normally counted by the institution in calculating the cumulative grade-point for graduation.

### **Intercollegiate Sports**

Fairmont State is a member of NCAA Division II, the Mountain East Conference and sponsors an intercollegiate athletic program of 17 sports: 8 sports for men: football, basketball, baseball, cross-country, golf, tennis, swimming and wrestling; and 9 sports for women: tennis, golf, basketball, volleyball, swimming, softball, cross-country, soccer and acrobatics and tumbling. Fairmont State

provides fine indoor and outdoor facilities and equipment for physical education and recreation. All students have an opportunity to participate in intercollegiate sports, intramural sports and in all recreational activities. However, those students choosing to participate in intercollegiate athletes must meet specific academic and physical requirements in order to participate.



## Academic Policies and Regulations

- General Academic Regulations
- Academic Advising System
- Academic Regulations
- Assessment of Student Academic Achievement
- Email Account Policy
- Academic Dishonesty
- Student Classification
- Presidents and Deans List

## General Academic Regulations

### Academic Advising System

Students are assigned academic advisors when they first enroll at Fairmont State. Those students who are not ready to select a major upon entrance will be assigned to the Office of Exploratory Advising. Students wanting to change their major fields of study may obtain a Major/Minor/Concentration Update Form from Enrollment Services. That form needs a signature from an advisor in the new major. Students should discuss problems relating to degree requirements, registration, and withdrawals from class or college with their advisors.

Office of Exploratory Advising  
248 Hardway Hall  
(304) 367-4709  
[advise@fairmontstate.edu](mailto:advise@fairmontstate.edu)

The purpose of the Office of Exploratory Advising is to provide Undecided students, Pre-Nursing students, and undergraduate Non-Degree Seeking students with interpersonal professional support. A concerted effort is made to address any academic concerns that may impede the student's successful completion of degree

requirements and to assist the student in the selection of an academic program.

#### Services:

- Formalized advisor-advisee conferences scheduled by appointment throughout the semester for undecided students.
- Academic assistance and guidance during posted walk-in hours for students with general advising concerns or questions.
- Academic advising for all new, transfer, and readmitted undecided students at Orientation.
- Workshops sponsored by the Office relevant to maximizing academic success and to improving advising processes.
- Referral assistance to campus and community services.

## Academic Regulations

The Student Handbook contains information concerning student rights and responsibilities, attendance, absences, and matters of academic dishonesty. Students are responsible for familiarizing themselves with these policies.

## Assessment of Student Academic Achievement

Fairmont State employs a variety of assessment processes to inform students of progress in courses and clinical experience and toward degrees, to analyze programs in order to make appropriate curricular changes, and to determine institutional effectiveness. The university follows policies of the Higher Learning Commission of the North Central Association of Colleges and Schools, the WV Higher Education Policy Commission,

policies of specific academic and professional accrediting bodies, and its own governing board.

In addition to regular course examinations and presentations, assessments used include field tests of proficiency in the major; electronic portfolios; capstone projects; internships; clinical practice reviews; and juried performances. Some programs, such as nursing and teacher education, also require nationally normed entrance and exit examinations. All degree programs analyze and review their effectiveness every five years, reporting this information to the WVHEPC and the Fairmont State Board of Governors. Programs also engage in an annual review process to assess the effectiveness of academic programs and learning experiences. The institution reports its overall progress to the HLC every ten years.

### **College Level Examination Program (CLEP)**

Students who wish to obtain credit by examination should check with the Center for Workforce Education for test availability by calling (304) 367-4920 or (304) 367-7254.

### **Placement Testing**

In order for you and your advisors to create a schedule that best meets your academic abilities and prepares you for the academic requirements of your program, you may be required to take certain assessments in math and/or English. Your test results may require that you enroll in one or more corequisite courses. Completing these required courses in your first semester(s) will help to ensure your greatest chance of success in college. All assessments are free of charge. For information regarding placement testing, please contact the Tutoring Center.

### **Core Academic Skills for Educators Test (CORE)**

Students must earn passing scores on all three sections (reading, mathematics, and writing) in order to be admitted to Teacher Education. Other requirements exist for admission to Teacher Education. Applicants must register for a test administration date online at: [www.ets.org/praxis](http://www.ets.org/praxis). Information is available in the Teacher Certification Office at 345 Education Building. You can also contact Joyce Rose.

### **PRAXIS II Specialty Area Exams and Principles of Learning and Teaching (PLT) Tests**

Students graduating with a Bachelor of Arts Degree in Education are required to take these tests and to achieve the minimum acceptable score for each teaching specialization and developmental level in order to be recommended for licensure. Students normally should take the Specialty Area Exams during the semester prior to their student teaching semester. The PLT exam should be taken during the final semester of their senior year. Applicants must register for a test administration date online at: [www.ets.org/praxis](http://www.ets.org/praxis). Information is available in the Teacher Certification Office at 340 Education Building or by contacting Joyce Rose.

### **Email Account Policy**

The Fairmont State e-mail address assigned to a student will serve as the official email address used by the institution for all correspondence including invoices, financial aid notifications, and information from the Student Services Center. Students are responsible for all information sent from these and other

official offices of the institution. Failure to read e-mail messages will not constitute an exception. The Admissions Office will send an official admission letter informing students of their email account and Unified College Account (UCA) and how to activate the UCA. The Admissions Office will also notify students of our institution's policies regarding the use of Fairmont State email for all major institutional correspondence. No other email addresses will be included when emails are sent. Other email addresses may be provided by completing the Email Billing Form in the Office of Student Services. Invoices will be sent to those addresses in addition to the student.

## Academic Dishonesty

All students and faculty members are urged to share in the responsibility for removing every situation which might permit or encourage academic dishonesty. Cheating in any form, including plagiarism, must be considered a matter of the gravest concern. Cheating is defined here as the obtaining of information during an examination; the unauthorized use of books, notes, or other sources of information prior to or during an examination; the removal of faculty examination materials; the alteration of documents or records; or actions identifiable as occurring with the intent to defraud or use under false pretense.

Plagiarism is defined here as the submission of the ideas, words (written or oral), or artistic productions of another, falsely represented as one's original effort or without giving due credit.

For the application of the Academic Dishonesty Policy go to:  
<http://www.fairmontstate.edu/publications/CampusHandbooks/studenthandbook/default.asp>

## Student Classification

Students are classified according to the number of credit hours earned as follows:

Freshman.....	0-29 credit hours
Sophomore.....	30-59 credit hours
Junior.....	60-89 credit hours
Senior.....	90+

## Presidents and Deans List

**Presidents List:** Students who register and receive letter grades for 12 or more hours taken at Fairmont State (excluding credit or audit marks), in any given term, and attain a grade point average of 4.0 join a select group of individuals and are named to the President's List.

**Deans List:** Students who register and receive letter grades for 12 or more hours taken at Fairmont State (excluding credit or audit marks), in any given term, and receive a grade point average of 3.4 or better are considered honor students and are named to the Dean's List.

## Registration Policies

- Excessive Course Withdrawal Fee
- Late Registration Fee
- Schedule Changes
- Withdrawal from Fairmont State

## Excessive Course Withdrawal Fee

Students who drop individual classes will be charged a \$50.00 fee for each course from which they withdraw or for each course they drop after the allowable maximum. Students may withdraw from a total of eight courses before the fee is charged.

## Late Registration Fee

Late registration fees are assessed in accordance with the fee schedule cited under "Expenses and Financial Aid." Late registrants often fail to obtain satisfactory schedules; the policy of the institution is to give priority to students who register on time.

## Schedule Changes

From the time of initial registration and until the end of the add/drop period, as defined by part of term rules, students can drop and/or add classes. Individual classes that are dropped during this period do not appear on students' transcripts.

## Withdrawal from Fairmont State

Students can withdraw from the institution and all classes prior to the last week of classes. Students who fail to follow this procedure will receive grades of "F." To drop all classes in a semester, follow these links after logging into FELiX: Student and Financial Aid > Class Scheduling > Withdraw from a selected term. Students are urged to print a copy of the transaction for their records.

## Grading and Academic Progress

- Grading System
- Credit/No Credit Option
- Incomplete Grade
- Grade Reports
- Academic Forgiveness Policy
- Academic Progress, Probation, and Suspension
- Academic Suspension Appeal

## Grading System

The following system of grading is used at Fairmont State:

- A Superior. Given only to students for exceptional performance
- B Good. Given for performance distinctly above average in quality
- C Average. Given for performance of average quality
- D Lowest passing grade, for performance of poor quality
- F Failure. Course must be repeated if credit is to be received
- I Incomplete, a temporary grade given only when students have completed more than 70% of the course, but are unable to conclude it because of unavoidable circumstance. Beginning with courses taken during the first semester, 1975-76, the letter grade "I" will be omitted from the calculation of the grade point average for a period of one year following the issuance of the "I." At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to "F." Students must never register for a course in which they have an incomplete grade.
- W Withdrew
- CR Credit/grade of "C" or higher. Does not affect quality points (see below)
- NC No Credit. Does not affect quality points

NCX No Credit, indicating a significant lack of effort. Does not affect quality points.

NR Not Reported. Given when instructor has not submitted grade

S Satisfactory. Given for Continuing Education courses only

U Unsatisfactory. Given for Continuing Education courses only

### Quality Points

The value of a student's work is indicated by quality points. Candidates for graduation must have at least twice as many quality points as GPA hours; that is, a point-average of 2.0 on all college work. Quality points for grades A, B, C, D, are computed as follows:

- A Four (4) quality points for each semester hour of credit
- B Three (3) quality points for each semester hour of credit
- C Two (2) quality points for each semester hour of credit
- D One (1) quality point for each semester hour of credit

Students' grade averages are determined by dividing the number of quality points by the number of GPA hours. No quality points are attached to grades of F, but the GPA hours for the courses in which these grades are received will be used in computing grade averages.

In order to graduate, candidates for degrees must maintain a grade point average of 2.0 or better in all college courses and in all credit earned at Fairmont State. An average of 2.0 must also be maintained in the major and minor fields of

study. Students in the teacher education program must attain a grade point average of 2.75 overall, in each teaching field and in professional education.

It is the student's responsibility to remain informed of quality point standing. This information can be obtained at any time from the Registrar's Office.

### Example for Computing Grade-point Average

Courses Taken	Final Grade	Quality Points	× Sem. Hours	= Quality Points (Total)
ENGL 1101	A	4	3	12
BIOL 1105	D	1	4	4
HIST 2211	B	3	3	9
SOCY 1110	C	2	3	6
POLI 1100	B	3	3	9
MATH 1510	W	-	-	-
		13	16	40

40 Quality Points  
16 Credit Hours = 2.5 Grade-Point Average

### Credit/No Credit Option

Any student who has completed 58 or more credit hours of credit may select one course per semester on a credit/no credit basis; such courses are to be considered part of the regularly scheduled load. A maximum of 18 credit hours may be completed with this option.

Students may not choose this option for the following courses:

- a. Major and minor
- b. Education certification program

Courses taken under this option will be recorded but will not be reflected in the quality point index. Credit courses will count toward graduation.

Selection of a course for credit/no credit must be made at registration with the approval of the student's academic advisor, and may not be changed after the end of the add-drop period.

The grade of CR means C or better.

## Incomplete Grade

A grade of incomplete (I) is a temporary grade given only when students have completed more than 70% of the course, but are unable to conclude it because of unavoidable circumstance. Beginning with courses taken during the first semester, the letter grade "I" will be omitted from the calculation of the grade point average for a period of one year following the issuance of the "I." At the end of the one-year period, the instructor must submit a final grade. If no change is made by the instructor, the grade "I" will be changed to "F." Students must never register for a course in which they have an incomplete grade.

## Grade Reports

Students can access mid-term and final grades by logging on to [my.fairmontstate.edu](http://my.fairmontstate.edu) and entering Felix and then selecting Student and Financial Aid, and then student records.

## Academic Forgiveness Policy

### Purpose

The academic forgiveness policy allows forgiveness of D and F grades of a new or returning student for the purpose of calculating the Grade Point Average (GPA) required for graduation.

Academic forgiveness is available to any new or returning Fairmont State student who has not been enrolled as a full-time student (12-credit hours or more) in any higher education institution for at least four consecutive years.

### Conditions

- A forgiven course cannot be used to satisfy any course prerequisite.
- Course substitutions are not permitted in situations where academic forgiveness has previously been applied.
- Any earned credits to be forgiven must not have been applied to a previously awarded degree.
- Academic forgiveness cannot be applied to courses taken on a Credit/No-credit basis.
- Academic forgiveness will not be applied to any course in which the student was found in violation of an academic integrity policy.
- Grades that are eligible for forgiveness will remain on the student's transcript but will be excluded from the GPA calculation.
- Academic forgiveness is granted only once for any student.
- Fairmont State may accept academic forgiveness transferred from another institution if the student was in good standing when they left the prior institution. A student transferring academic forgiveness from a previous institution is not eligible for

academic forgiveness again at Fairmont State.

- Fairmont State is not bound by the decision of any other institution to disregard grades earned in university-level courses. Similarly, students should be aware that academic forgiveness extended by Fairmont State may not be recognized by other institutions to which they may transfer.

### **Procedure After Returning or Transferring to Fairmont State for Eligible Students**

- After returning to Fairmont State, a student must complete at least 12 graded credit hours with a minimum of a 2.0 GPA to be eligible for academic forgiveness.
- The student has the choice between requesting academic forgiveness for either all D and F grades or only F grades. The student's choice is a final decision and cannot be subsequently reversed. A student no longer receives credit for any forgiven courses with a grade of D.

### **Financial Aid Statement:**

The Department of Education does not recognize academic forgiveness for Financial Aid purposes. Financial Aid must count all coursework that a student has attempted with the original grades to determine financial aid eligibility. Candidates for academic forgiveness may receive financial assistance during the readmission semester if under Financial Aid Probation and/or Academic Plan. If the student does not meet the financial aid standards of SAP or the requirements of their Academic Plan at the end of the readmission semester, student's financial aid will be suspended as dictated by the

Financial Aid Satisfactory Academic Progress Policy. Candidates must notify Financial Aid Services once officially readmitted in order for financial aid eligibility to be determined at that time.

### **Academic Forgiveness Request Contact Information**

Fairmont State University  
Office of the Registrar  
1201 Locust Avenue  
Hardway Hall  
Fairmont, WV 26554  
(304) 367-4141  
[registrar@fairmontstate.edu](mailto:registrar@fairmontstate.edu)

## **Academic Progress, Probation, and Suspension**

### **Satisfactory Academic Standing**

A student is deemed to be in Satisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at Fairmont State, is 2.0 or higher.

### **Unsatisfactory Academic Standing**

A student is deemed to be in Unsatisfactory Academic Standing when his/her cumulative grade point average, based upon coursework taken at Fairmont State, is below 2.0.

### **Academic Warning**

At the end of each term, an active student whose term GPA falls below a 2.0 will be placed on Academic Warning and a notation of Academic Warning will be placed on the academic transcript. Academic Warning is not punitive and does not alter or affect a student's current or subsequent term registration. Instead, the student will be referred to various and appropriate academic offices for guidance,

tutoring or other services as required. A student on Academic Warning is required to meet with his/her assigned academic advisor. This policy does not supersede the Academic Suspension policy.

16-29	1.45
30-59	1.75
60+	2.00

### Academic Probation

The status of Academic Probation is automatically applied to a student when the cumulative grade point average, based upon coursework taken at Fairmont State, falls below 2.0.

The status of Academic Probation will be removed only after the cumulative grade point average, based upon coursework taken at Fairmont State, is 2.0 or higher.

A student who is placed on Academic Probation may continue to enroll on a full-time basis, but will be limited to 15 credit hours.

### Academic Suspension

The academic record of each student on probation will be reviewed at the end of each regular (fall and spring) semester with regard to Academic Suspension. The following guidelines will be used in the review:

- Academic Suspension occurs when a student's cumulative grade point average, based upon coursework taken at Fairmont State, falls below the minimum required GPA, determined as follows in relation to overall institutional and transfer hours attempted:

\*Attempted hours at Fairmont State plus transfer credits

Credit Hours\* FAIRMONT STATE Courses Only

GPA (Excluding Transfers)

- The suspension list will be compiled at the end of the fall and spring semesters.
- A student will be placed on probation for one (1) semester before he/she is subject to Academic Suspension (see Academic Probation above).
- A student can be placed on suspension if he/she has been on probation in any previous semester.
- No student with a current semester GPA of 2.0 or higher will be subject to Academic Suspension.
- A student who is academically suspended will not be permitted to enroll in coursework at Fairmont State for the period of suspension as defined below:

**First Suspension:** Student will not be permitted to enroll in coursework at Fairmont State for one (1) full semester plus the summer terms. This means that a student suspended at the end of the fall semester cannot enroll again until the next fall semester. A student suspended at the end of the spring semester cannot enroll again until the next spring semester.

**Second Suspension:** Student will not be permitted to enroll in coursework at Fairmont State for one (1) full year. A full fall and full spring semester plus the summer terms constitute the required suspension period.



**Third Suspension:** For a third and any subsequent suspension, a student will not be permitted to enroll in coursework at Fairmont State for four (4) full years. Upon readmission, after the full four (4) year suspension, the student may be eligible for academic forgiveness. Whether academic forgiveness will apply will be determined by the Academic Forgiveness Policy in effect at the time of readmission.

- A student who has been academically suspended for the first or second time is automatically eligible for readmission after the period of suspension is over, but must reapply through the Office of Admissions to have his/her Academic Suspension hold removed.
- A student who has been academically suspended for the third time may apply for readmission after the period of suspension is over, but readmission is not automatic. The student's record will be reviewed to determine if it is academically possible for the student to attain Satisfactory Academic Standing and complete his/her degree program within a reasonable amount of time. A determination of eligibility for academic forgiveness will also be made before readmission is granted. If a student is determined to be eligible for academic forgiveness, the student must apply for academic forgiveness at the appropriate time (Please see "Academic Forgiveness Policy").
- Fairmont State will not accept credit for courses taken at any institution while a student is suspended.

- Fairmont State reserves the right to deny admission if a student has been academically suspended from any institution(s) three (3) or more times.

## Academic Suspension Appeal

Appeals of suspension are for addressing unusual and extenuating circumstances that prevented a student from raising their GPA to the required level. A student placed on academic suspension may appeal the decision to the *Assistant Vice President for Educational and Career Success* by completing an online Academic Suspension Appeal application found in the student forms repository.

The online application has four requirements:

1. Student Information: Complete contact and academic program information.
2. Explanation of Circumstances: Complete questions explaining (a) the extenuating circumstances that led to your grade point average deficiency, (b) the actions taken to improve circumstances, and (c) what it will take to return to good academic standing.
3. Supporting documentation: Provide third-party documentation supporting your explanation of your prior poor academic performance. This could include a letter from a professor, medical professional, counselor, tutoring records, or any official documents that can verify your circumstances. Third-party documentation cannot come from family members.

4. Send completed appeal application and supporting documentation to [academicappeals@fairmontstate.edu](mailto:academicappeals@fairmontstate.edu)

Notices of the appeal deadline will be provided in the student's suspension letter. Late appeals will not be accepted.

The decision of the *Assistant Vice President for Educational and Career Success* may be appealed to the Admissions and Credits Committee. The written appeal and all supporting documentation must be forwarded to the Chairperson of the Admissions and Credits Committee for review and evaluation. The Chair of the Committee will schedule a Committee meeting as soon as possible to hear the case, and the Committee shall render a decision.

For additional information concerning the appeals process, contact the Provost Office at 304-367-4101 or [AcademicAffairs@fairmontstate.edu](mailto:AcademicAffairs@fairmontstate.edu)

## Course Policies

- Auditing a Course
- Course Numbering
- Course Prerequisites
- Course Repeat (for coursework earned Fall 2018 or later)
- Dropping a Course

## Auditing a Course

Students may be permitted to attend classes as auditors if they obtain written permission from their advisor and instructors in the classes they want to audit. A student who enrolls in any class as an auditor may not, in the same semester, be considered as enrolled in the class for the purpose of obtaining credit.

Auditors are required to complete the regular registration process and pay regular fees. The decision to audit a course must be made during the add-drop period.

## Course Numbering

Courses for freshmen (1100 series) and sophomores (2200 series) constitute the lower level of curriculum. Courses numbered (3300-4499) are primarily for juniors and seniors. Courses numbered 5000 and above are graduate courses. All Core Curriculum requirements consist of lower-level course options. Students are strongly advised to take at least eight (8) hours of Core Curriculum courses each semester until the requirements have been met.

## Course Prerequisites

Many major and core curriculum courses have prerequisites (courses that must first be successfully completed). The catalog section which lists all of the core courses also identifies the prerequisites. You can find prerequisite information for ALL courses in the section entitled "Courses" in the catalog.

## Course Repeat (for coursework earned Fall 2018 or later)

Fairmont State enforces Series 22 of the West Virginia Higher Education Policy Commission as follows:

If a student earns a grade of "D" or "F" (including failures due to regular and/or irregular withdrawal) on a course taken prior to the receipt of a baccalaureate degree, and if that student repeats this course prior to

the receipt of the baccalaureate degree, the original grade shall be disregarded and the grade or grades earned when the course is repeated shall be used in determining the grade point average. The original grade shall not be deleted from the student's record.

In upper division courses, a student may formally repeat up to eight (8) credit hours of a grade of "C". The privilege of the "D" and "F" repeat is capped at 21 credit hours including any request for a "C" repeat in an upper division course. The 21-hour cap is firm and shall not be exceeded. Repeat course forgiveness assigned on work earned prior to Fall 2018 (including repeats posted to pre-admission transfer work) is disregarded for this limit. In order to qualify for repeat-course forgiveness, written permission must be obtained from the appropriate dean/department chair of the academic unit where the student's major is housed.

Once a grade is removed from the GPA calculation via repeat-course forgiveness, it may not be altered further. Students who repeat a previously passed class may have limitations on financial aid eligibility for that class.

Courses completed at Fairmont State with a grade of "D" or "F" may be repeated at any West Virginia public institution, provided the course at the other institution is deemed an equivalent course by Fairmont State and the above stipulations are met. Regularly enrolled students who complete work at another regionally accredited institution must secure written

permission from the registrar before attempting such coursework. The transfer grade policy will apply to these grades.

Courses transferred from other regionally accredited institutions that are legally repeated at Fairmont State will be a part of the repeat process, provided the course at the other institution is deemed an equivalent course by FSU and the above stipulations are met.

### **For coursework earned prior to Fall 2018:**

All students currently enrolled, beginning Fall 2018, shall start with a clean slate of 21 repeat credits. Each student shall be eligible for 21 credits of repeated courses regardless of any earlier recorded repeats appearing on the transcript. The student's grade point average shall be based on the subsequent grade or grades, not the original grade of D or F. The original grade shall not be deleted from the student's record, and will be removed only from the calculation of the GPA.

Once a grade has been removed from the GPA calculation via repeat-course forgiveness, it may not be altered further.

## **Dropping a Course**

Students may drop a course at any time from registration through the add/drop period for that term. Individual courses dropped after that time will be graded with a "W" and no refund will be issued. Students are advised to know important dates regarding the last day to drop a course. Adherence to this policy is strictly followed by the Office of the University Registrar. Those dates can be found on the Registrar calendar.

Students may drop a course(s) with a "W" being recorded up to the Friday during the:

- 10th Week of a Full Semester
- 5th Week of the 1st 8 Week Session
- 5th Week of the 2nd 8 Week Session
- 4th Week of the 1st 6 Week Summer Session
- 4th Week of the 2nd 6 Week Summer Session
- 10th Week of the 12 Week Summer Session

Students may drop a course by logging on to [myfairmontstate.edu](http://myfairmontstate.edu) and then Felix.

## Undergraduate Degree Regulations

- Academic Load
- Baccalaureate Minor Definition
- B.A. Degree Program Foreign Language Requirement
- Credit Hour Definition
- Credit Hours for a Bachelor Degree
- Core Curriculum Policy
- Declaring a Major
- Declare a Double Major
- Minimum Requirements for Graduation
- Writing Intensive Course Requirement

## Academic Load

### Fall/Spring Terms

In order to be considered for permission to carry more than 18 hours in a given regular fall or spring semester, a student must have an overall GPA of 3.0. In addition, the student must have a 3.0 GPA from the previous term OR be enrolled in the last semester prior to graduation. Student Credit Load Exception forms must be signed by the Dean of the College and

Provost if the student is taking over 21 hours.

### Summer Term

During the summer sessions, the maximum semester load is 12 hours. In order to be considered for permission to carry more than 12 hours in the summer sessions, a student must have an overall GPA of 3.0. In addition, the student must have a 3.0 GPA from the previous term OR be enrolled in the last semester prior to graduation. Student Credit Load Exception forms must be signed by the Dean of the College and Provost if the student is taking over 15 hours.

## Baccalaureate Minor Definition

A baccalaureate minor is earned in a specific subject area of study and must be composed of at least 12 credit hours of course work (*WVHPEC, 133CSR11*).

A minor may be required for some baccalaureate degrees. However, students cannot major and minor in the same program.

## B.A. Degree Program Foreign Language Requirement

Twelve (12) hours of one foreign language is a general requirement for a number of Bachelor of Arts degrees. Consult specific programs for details. Upon the presentation of two or more units of high school work in a foreign language currently taught at Fairmont State, students may have six (6) hours of this requirement at the elementary level waived, provided that they are competent to continue the study

of the language in classes numbered 2200 or above. However, students still must complete the required total number of hours for graduation. It is recommended that students begin their requirement in foreign language no later than their sophomore year.

All variations from prescribed programs must be approved by the appropriate Dean in the major/minor field before students can qualify for graduation.

Students seeking a second Bachelor's Degree: See Admissions Requirements.

## **Credit Hour Definition**

Fairmont State defines a credit hour consistent with the Carnegie Unit: "One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately 15 weeks for one semester hour of credit."

## **Credit Hours for a Bachelor Degree**

The five (5) baccalaureate degrees granted by Fairmont State are Bachelor of Science, Bachelor of Science in Engineering Technology, Bachelor of Science in Nursing, Bachelor of Arts, and Bachelor of Arts in Education. For each of these five (5) degrees a minimum of 120 credit hours is required.

## **Core Curriculum Policy**

Students must earn a minimum of 30 credit hours in core curriculum coursework. Core Curriculum requirements may satisfy requirements of a major or minor requirement. However, no course may be counted more than once in meeting the

number of credit hours required for graduation. For example, the core curriculum requirements in English will also satisfy requirements for a major or minor in English.

## **Declaring a Major**

All Fairmont State students in the Academic Pathways must select a major field of study by the time they earn 30 credit hours.

## **Declare a Double Major**

Students considering a double major should first speak with advisors in both majors before making a decision. Once the curriculum requirements for both majors have been discussed and clarified, students need to fill out a "Major Change" form at the Student Services Desk (Turley Student Services Center) to declare a second major. Students with a double major will have an advisor assigned by both departments.

Students with double majors are encouraged to consult both advisors and DegreeWorks regularly during pre-registration and at other times during the academic year when they need help.

## **Minimum Requirements for Graduation**

Candidates for graduation must maintain a grade point average of 2.0 or better in all courses and in all credits earned at Fairmont State University. The minimum credit required for graduation from most degree programs is 120 credit hours, with a grade point average of 2.0 in the major and the minor with the exception of a Bachelor of Arts in Education degree, which requires at least a 2.75 in the

teaching specialization(s) and overall averages.

Candidates for the Bachelor of Arts and Bachelor of Science degrees must complete all major and core curriculum course requirements as prescribed in their chosen degree program. Each degree program has specific major and core curriculum requirements. While a complete listing of all core curriculum courses is listed in a separate section, refer to the respective colleges in this catalog for details regarding major and core curriculum requirements.

## Writing Intensive Course Requirement

Students are required to complete at least one designated writing intensive course as part of their major field of study. This course will not be in addition to other courses, but rather a course from those approved as major courses. Students cannot use ENGL 1101, ENGL 1102, ENGL 1103, ENGL 2220, ENGL 2221, ENGL 2230, or ENGL 2231 to satisfy the writing intensive course requirement.

All students who are candidates for degrees must attain a grade of "C" or above in ENGL 1101, ENGL 1102, and/or ENGL 1103 in order to prove their competence in the use of the English language. This is a requirement for graduation.

## Graduation Information

- Grade Point Average Requirements
- Application for Graduation
- English Course Performance
- Graduation with Honors
- Military Service Credit
- Minimum Residence Requirements
- Transient Credit
- Transcripts

## Grade Point Average Requirements

In order to graduate, candidates for degrees must maintain a grade point average of 2.0 or better in all college courses and in all credit earned at Fairmont State. An average of 2.0 must also be maintained in the major and minor fields of study. Students in the teacher education program must attain a grade point average of 2.75 overall, in each teaching field and in professional education.

## Application for Graduation

Candidates for graduation must officially apply for a degree online through their FELiX account. Applications are due one academic year in advance. Specific due dates can be found on the Registrar's Calendar at the Office of Registrar. A graduation fee of \$50.00 for undergraduate students and \$70.00 for graduate students is assessed at the time the graduation application is submitted. You may apply for Graduation online by logging into your FELiX account. Once you login with your UCA and password then select Student and Financial Aid, Student Records, then Apply to Graduate and follow the screen prompts. After the posted deadline for applications, a late fee of \$50.00 will also be assessed.

## English Course Performance

All students who are candidates for degrees must attain a grade of "C" or above in ENGL 1101, ENGL 1102, and/or ENGL 1103 in order to prove their competence in the use of the English language. This is a requirement for graduation.

## Graduation with Honors

Candidates for bachelor's degrees and Associate's degrees who have achieved special distinction in academic work will graduate with honors. Honors are determined by the cumulative quality point average of a student's work at graduation. Three grades of honors are recognized for bachelor's degree candidates: cum laude for a point average of 3.4-3.69; magna cum laude for a point average of 3.70-3.84; and summa cum laude for a point average of 3.85 or better. There are also three grades of honors for associate degree candidates: Honors for a point average of 3.4-3.69; High Honors for a point average of 3.70-3.84; and Highest Honors for a point average of 3.85 or better. Honor designations on diplomas are based upon the entire academic record. Honor designations on the Commencement program are based upon the academic record at the conclusion of the semester prior to Commencement

## Military Service Credit

Students who have completed basic training in military service may be granted a maximum of four credit hours of credit, which may be used to satisfy General Studies physical education and/or elective requirements. It is the student's responsibility to request this credit and to verify this military experience to the Registrar. Students with military service are encouraged to contact the Office of Veteran Services, 311 Turley Center, to receive assistance regarding the Joint Services Transcript (JST) and VA Certification.

## Minimum Residence Requirements

For an associate degree at least one semester's work (at least 16 credit hours) and at least 8 of the last 16 hours in residence are required.

For a BA/BS degree, at least one year's work in residence is required, and one semester of it must be in the senior year. A "year of residence" must represent not less than 30 hours credit, and a semester is defined as a minimum of 15 hours credit. Exception is made in the case of students who have completed three years of required work at Fairmont State and who decide to complete the senior year by substituting approved credit earned subsequently in a college of medicine or dentistry.

## Transient Credit

Regularly enrolled students who complete work at another accredited institution on a transient basis must secure written permission of the Registrar through the Transient Request Form before attempting such course work. Students must have an overall Fairmont State GPA of 2.0 or higher and no holds on their account to be eligible to take courses at another institution. Transient credit completed without permission will not be accepted.

## Transcripts

Students at Fairmont State are entitled to official transcripts of their record. Students who fail to meet their financial obligations to the institutions or to any of their departments will not be provided official transcripts until the financial obligation is met.

A request for a transcript of credit should be made in writing and should include name, both maiden and married, the date of last attendance at Fairmont State, and student identification number. All requests for transcripts should be made online. Students may access the transcript request form online at Fairmont State Transcript Request.



## Special Academic Programs

- Academy for the Arts
- Civic Engagement
- English as a Second Language (ESL) Program
- Frank and Jane Gabor West Virginia Folklife Center
- Frasure-Singleton Student Legislative Program
- Herndon Legislative Fellows Program
- Regents Bachelor of Arts (RBA) Degree Program
- Reserve Officer Training Corps (ROTC) Courses
- Study Abroad Programs
- The University of Calabria Exchange Program
- The Washington Center Internship Program
- Honorary Degrees

### Academy for the Arts

Art, music, drama and dance classes and private lessons taught by student and professional instructors are available to community, college, secondary and elementary students for an additional fee. Information may be obtained by contacting the College of Liberal Arts office. College credit is not awarded for these courses.

### Civic Engagement

The Office of Civic Engagement encourages community service through volunteer opportunities and assists and coordinates individual and collaborative opportunities. Students can connect their field of study to the needs of our community organizations, gaining real-world life skills while making a difference in the community. Civic engagement, an

initiative at Fairmont State University is committed to providing beneficial, educational, and memorable community outreach experiences for students, faculty, and staff creating a sense of civic responsibility and an appreciation of what it means to serve. As a commitment to service, Fairmont State University is an active partner with United Way that serves the Marion and Taylor counties. The Office of Civic Engagement is an extension of the Career Development Center, located in 222 Turley Student Services Center.

### English as a Second Language (ESL) Program

The English as a Second Language (ESL) intensive English program is open only to non-native speakers of English who have a serious desire to improve their language skills. This ESL program is useful to working professionals and to students preparing for university study or professional programs. The program has been offered since 1989 and follows the standards set by the National Association of Foreign Student Advisors (NAFSA) and Teaching English to Speakers of Other Languages (TESOL).

The ESL Program offers three sessions yearly and follows the traditional academic schedule. Classes meet four hours daily, four days per week. In order to accommodate varying academic and travel schedules, new students may enroll on three admission dates occurring every five weeks during the semester.

The course of study is based on an integrated skills approach with listening, speaking, reading, grammar, and writing components. Fluency and accuracy in both spoken and written English are emphasized. Classes average five to ten students. The small class size allows each participant a maximum amount of

individual attention and an opportunity to develop conversational skills. ESL classes are pass/fail and do not count toward graduation.

English as a Second Language classes are offered at two levels given sufficient enrollment. For more information on the ESL Program, please contact Dr. Angela Schwer, Chair of the Department of Humanities, at 304-367-4723.

### **Frank and Jane Gabor West Virginia Folklife Center**

Lydia Warren  
(304) 367-4286  
[Lydia.Warren@fairmontstate.edu](mailto:Lydia.Warren@fairmontstate.edu)

This interdisciplinary center for West Virginia's cultural heritage comprises academic programs, research library and archives (folklore, music, literary, and artifact collections), publications, exhibitions, public programs, and other activities. The Frank & Jane Gabor West Virginia Folklife Center is dedicated to the identification, preservation, and perpetuation of our region's rich cultural heritage, through academic studies; educational programs, festivals, and performances; and publications.

The Folklife Center is located in an adaptive reuse of historic properties on the west side of campus, formerly known as The Colonial Apartments (c.1941) and The Kennedy Barn site (c.1903) on the original location of the Michael Kennedy Dairy Farm. The property was named to the National Register of Historic Places in 2006. Mailing Address: 1201 Locust Avenue, Fairmont, WV 26554.

### **Academic Studies**

Two academic minors in the College of Liberal Arts are physically housed at the

Gabor WV Folklife Center: Folklore Studies (19 hours, Department of Language and Literature) and Museum Studies (18 hours, Department of Social Sciences/History). These interdisciplinary academic minors can be attached to most liberal arts majors.

A folklore studies specialization prepares the student for graduate studies and professional involvement in such areas as teaching, archiving, preservation, historical parks and museums, entertainment and storytelling. The study of folklore and folklife involves examination and analysis of traditional expressive culture in all its forms, including oral, customary, and material. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. Since folklife is a study of the humanist expression that is handed down by tradition rather than by writing, it is related to all departments that deal with literature, art, and music. Since folklore also deals with the entire traditional culture of mankind as manifested in customs and beliefs, it has close affiliations with anthropology, psychology, sociology, history, philosophy, linguistics, design and pedagogy.

The Museum Studies minor program provides students with a solid foundation in the various components of museum organization, practices, and pedagogy, including collections management, exhibit development and production, museum interpretation and education, and a broad understanding of museum concepts. The program develops students' ability to work in various types of museums, including history, art, and natural history museums. Students are prepared for positions in small to medium size facilities as well as further graduate studies.

### **Archives**

he Gabor WV Folklife Center houses the unpublished folklore estate of Ruth Ann Musick, folk tale scholar, who was the archivist for the WV Folklore Society and editor of West Virginia Folklore Journal that was published at Fairmont State. Dr. Musick bequeathed to Fairmont State her folklore estate for academic study, programming, and publications.

Other collections archived in the Folklife Center include the West Virginia Literary Archives, compiled by Phyllis Wilson Moore; the Patty Looman traditional music archives (papers, tabulated music, and collection of recordings; other collections; and various artifacts representing all aspects of West Virginia's cultural and historical lore. The Folklife Center welcomes donations of suitable artifacts that help interpret West Virginia folklife, such as photographs, letters, family memorabilia, journals, oral histories and folklore, heirloom items, or others.

## **Publications**

The Frank and Jane Gabor West Virginia Folklife Center publishes two journals through the Fairmont State Press established in 2004:

Traditions is a journal of West Virginia folk culture and educational awareness. First published in 1993, this annual periodical emerged from the West Virginia Humanities Summer Seminar for Teachers, Appalachian Culture: Texture, Text, and Context, a Folkloric Approach to Learning. Traditions is the continuation of West Virginia Folklore, published at Fairmont State from 1951 to 1983. Traditions is supported by Fairmont State, the Gabor WV Folklife Center, and the West Virginia Humanities Council.

Hillchild is a folklore chapbook about, for, and by children of West Virginia. First published in 2002, it is supported by Fairmont State, the Gabor WV Folklife Center, and the West Virginia Humanities Council.

The press has also published Mountain Mother Goose: Child Lore of West Virginia, children's folklore collected by Ruth Ann Musick and Walter Barnes; a memoir, The Dulcimer Man: The Russell Fluharty Story, with companion CD; and From A Place Called Solid: West Virginia and its Writers, a literary map of West Virginia.

## **Special Programming**

### **Awards**

- B.B. Maurer WV Folklife Scholar Award annually honors a person who has made an outstanding contribution to the preservation and perpetuation of our Appalachian cultural heritage. This award is named for Dr. B.B. Maurer (1920 - 2003), considered the "Father of Cultural Studies in West Virginia."
- The Gabor WV Folklife Center Achievement Award is a special recognition award in an area of folklore studies.
- The Traditions Salute Award recognizes passion and commitment towards the enhancement of West Virginia folk culture through education and public resources.

### **Programming**

- Public lectures, presentations, performances, concerts, demonstrations, workshops

- Tours and programs at the Folklife Center for community and school groups, by arrangement
- Summer Teacher Institutes in partnership with the West Virginia Humanities Council

### **Folk Festivals, Summer Celebrations, and Events**

Study Abroad Travel Programs, such as Roads to Appalachia through Scotland and Ireland; Italy; England and Wales; Eastern Europe; Germanic Roots.

### **Frasure-Singleton Student Legislative Program**

The Frasure-Singleton Student Legislative Program provides students the opportunity to observe the West Virginia Legislature for one week during its regular legislative session. Participants are assigned to a legislator who assists in explaining the legislative process. They attend committee meetings and public hearings where legislation and issues are discussed. They sit on the Floor during daily sessions, surrounded by legislators with issue research, constituent requests and other legislative tasks. In addition, participants meet with representatives from all branches of state government, lobbyists, reporters, and legislative staffers.

The program is open to full-time college sophomores, juniors, and seniors from all fields of study. Applicants must be in good academic standing and have successfully completed at least one Political Science course. Participants will earn one semester hour of credit.

For more information, contact:  
Dr. Bill Harrison  
128A Hardway  
(304) 367-4163  
[wharrison@fairmontstate.edu](mailto:wharrison@fairmontstate.edu)

### **Herndon Legislative Fellows Program**

The primary goal of this program is to instruct selected full-time undergraduates in the theory and operation of legislative bodies in multi-dimensional roles. Participants will be designated as legislative interns and will perform assignments in the West Virginia Legislature for the duration of its session. They will spend a full semester in the study of the operation, role, and functions of legislative bodies.

To be eligible for this program, students must have completed a minimum of 60 undergraduate credit hours or equivalent, with a grade point average sufficient to admit them to the degree program of their choice. At the time of application, students must be enrolled at their home institutions on a full-time basis and cannot be on academic or social probation. Students may not serve as interns if they are subsequently placed on academic or social probation for the period which would include the internship. Each applicant must have taken at least one college course in political science unless, in the judgment of the selection committee, the student's record displays an active and sustained interest in public affairs or the political process, at which time the course requirement may be waived.

For additional information, contact:  
Dr. Bill Harrison  
128A Hardway  
(304) 367-4163  
[wharrison@fairmonstate.edu](mailto:wharrison@fairmonstate.edu)

### **Regents Bachelor of Arts (RBA) Degree Program**

The Regents Bachelor of Arts (RBA) Degree Program is a flexible, nontraditional program designed for adults in the belief that they are distinctly different from

traditional undergraduates in their educational needs. The program can be tailored to fit those who need a degree for career advancement, those who have an associate degree in a field in which there is no corresponding bachelor's degree available, or those who seek intellectual development and personal fulfillment. The RBA degree has particular appeal for persons who have completed some college work in past years but did not obtain a degree.

### **Admissions**

Students who have graduated from high school at least four years ago and who have not completed a bachelor's degree are eligible for admission to the RBA program. Persons with high school equivalency certificates may be admitted four years after their high school class graduated. If an applicant has previous college credit, failing grades of F received four years or more before admission to the RBA program are disregarded from the student's GPA calculation once graduation requirements have been met.

Admission to the RBA Degree Program requires that the RBA Admissions Form be completed instead of the standard application to Fairmont State. All admissions criteria, such as submission of official high school and/or college transcripts and immunization records required for admission to Fairmont State are also required for RBA program admission. Admission to the RBA program does not provide for automatic admission to other programs at Fairmont State. Any RBA student must reapply and meet all admission requirements when changing from the Regents Bachelor of Arts (RBA) Degree Program to any other degree program at Fairmont State.

### **Graduation Requirements**

To qualify for graduation, candidates must accumulate a total of 120 credit hours of credit with a minimum quality point average of 2.00. At least 39 hours must be at the upper (3300 or 4400) level. Students must complete 36 credit hours of General Studies courses, including the required credit hours in each of the following areas: Communications (6), Social Sciences (6), Natural Sciences (6), Mathematics or Computer Applications (3), Humanities (6), and 9 additional General Studies hours. At least 24 credit hours must be taken in the West Virginia State System of Higher Education and at least 12 of those credit hours must be completed at Fairmont State. The RBA is an interdisciplinary degree with no major area of emphasis. A minor field of study may be declared but is not required.

### **College Equivalent Credit**

A unique feature of the RBA Degree Program is the possibility of obtaining college-equivalent credit for demonstrated college-level knowledge that has been learned in environments and agencies outside the classroom. To earn credit, students must demonstrate knowledge of learning objectives and outcomes equivalent to specific courses taught at Fairmont State or within the West Virginia State System of Higher Education. Students who have obtained any professional, state, or national licenses or certifications can request a review of the credentials to determine if they are eligible to receive college credit.

Portfolio evaluations are completed for enrolled students by faculty members who teach the course for which credit is sought. Portfolios should be submitted prior to semester midterm to ensure that sufficient

time is available for evaluation. The fee for portfolio evaluation is \$300 regardless of whether or not credit is awarded. If credit is recommended, then the faculty members will also recommend the number of credit hours to be awarded along with the appropriate level (upper or lower). An additional \$10 per credit hour processing fee is required to transcript the credit.

Credit earned via portfolio or prior learning assessment does not count toward meeting the state or institutional residency requirements for the RBA program. Awarded credit hours will not be posted to a student's academic transcript until after residency requirements have been met.

Academic credit will only be awarded to students who are admitted to and currently enrolled in the RBA Degree Program. Students, however, cannot be awarded college-equivalent credit during their first or final semesters in the RBA program.

### **WVROCKS/RBAS Courses**

Students admitted to the RBA Degree Program are eligible to enroll in courses available through the West Virginia Remote Online Collaborative Knowledge System (WVROCKS), which provides access to courses taught at colleges and universities across West Virginia via a statewide portal. The courses, given the prefix RBAS at Fairmont State, are all online, compressed (8-weeks), mostly upper level, and available only to RBA students.

For more information on the RBA program or the WVROCKS/RBAS courses, contact Pamela Stephens, Coordinator of the RBA Degree Program, 206A Charles Pointe Center, 100 Marketplace Avenue, Bridgeport, WV 26330, (304) 368-7005, [rba@fairmontstate.edu](mailto:rba@fairmontstate.edu).

## **Reserve Officer Training Corps (ROTC) Courses**

### **Nature of Program**

The U.S. Air Force officer education program is designed to provide training that will develop leadership, managerial, and interpersonal skills vital to a professional U.S. Air Force and Space Force officer. Its purpose is to recruit qualified students for an opportunity to commission in the U.S. Air Force and Space Force.

### **Benefits**

Enrolling in AFROTC provides the opportunity to:

Compete for entry into the Professional Officer Course (POC) and earn an Air Force or Space Force Commission.

Compete for AFROTC in-college scholarships that pay up to full tuition, fees, provides a book stipend, and provides a tax-free monthly stipend between \$300 and \$500 based on academic year.

Receive free career counseling from full-time AFROTC representatives.

Try AFROTC during freshman and sophomore years without obligation (unless you are awarded an AFROTC scholarship).

Develop leadership and teambuilding skills.

### **Curriculum**

The curriculum in Aerospace Studies is divided into two distinct areas: The General Military Course (GMC) and the Professional Officer Course (POC).

Students interested in becoming cadets should enroll in the following courses:

**Entering Freshmen:** During the Fall Semester, sign up for USAF 1310 and USAF 1000. During the Spring Semester, sign up for USAF 1320 and USAF 1000.

**Entering Sophomores:** During the Fall Semester, sign up for USAF 1310, USAF 2510, and USAF 1000. During the Spring Semester, sign up for USAF 1320, USAF 2520, and USAF 1000.

### **General Military Course (GMC)**

GMC includes USAF 1310/1320, 2510/2520, and Leadership Laboratory (LLab) and corresponds to the freshman and sophomore years of your academic program. This is the first part of AFROTC's four- and three-year programs. GMC is composed of a one-hour class and two-hour LLab per week. Two credit hours are awarded for each semester course successfully completed. GMC is available to all students.

### **Professional Officer Course**

The POC corresponds to the junior and senior years of your academic program. The POC is designed to provide highly qualified junior officers for the U.S. Air Force. Admission is based on such factors as leadership, scholarship, physical qualifications, and academic major. Successful completion of the POC qualifies you for appointment as a second lieutenant in the Air Force upon college graduation. Instruction averages three hours per week plus LLab throughout the four semesters. Three hours of credit are awarded for each of the four semesters in the POC program.

To qualify for the POC, you must meet all the qualifications for the GMC and:

- Have two academic years remaining
- Be able to obtain United States citizenship by second POC semester
- Be at least 18 years old, or 17 with a parent or legal guardian's consent
- Be medically qualified
- Be selected by a board of U.S. Air Force officers
- Complete a field training course the summer prior to entering
- Complete all graduation and commissioning requirements as follows:
- Maintain a Cumulative GPA of 2.0 or higher (min 2.5 if on USAF scholarship)
- Must commission (graduate) before age 39 (pilots age 29)
- Pass the Air Force Physical Fitness Assessment (PFA)

### **In College Scholarship Program**

Outstanding students from any academic discipline may be eligible to compete for an in-college scholarship. Each year a number of scholarships are made available for cadets in their freshman or sophomore year. Usually, a greater percentage of scholarships are available for students majoring in engineering, scientific, mathematical, or nursing fields. AFROTC may pay up to 100 percent of tuition and fees, provide a textbook stipend, and provide a tax-free monthly allowance between \$300 and \$500 based on academic year.

## **Uniform Wear**

Air Force ROTC cadets are required to wear a uniform to ROTC classes and leadership laboratories. Freshmen cadets are required to wear an AFROTC polo and khaki slacks for LLab and class, and USAF PT gear (provided) for physical training. Sophomore cadets and above are provided uniforms. Air Force ROTC cadets may purchase their uniforms upon successful completion of the ROTC program.

## **Time Requirements**

On average, freshman and sophomore cadets can spend 7 to 10 hours a week in AFROTC activities. This includes the required 1 hour in the classroom, 2 hours at LLab, 2 hours at physical training sessions, and other obligations such as Field Training preparation, flight meetings, Flag detail, etc. Juniors and seniors will spend 10 to 15 hours a week in AFROTC activities. This includes 3 hours in the classroom, 2 hours at LLab, 2 hours at physical training sessions, and other obligations related to leadership positions in the AFROTC.

## **AFROTC Contact Information**

For more information on AFROTC classes or a career in the Air Force or Space Force, please call 304-293-5421 or email [AFROTC@mail.wvu.edu](mailto:AFROTC@mail.wvu.edu).

## **Study Abroad Programs**

In keeping with a desire to provide more direct student enrichment programs in international education, Fairmont State provides Study Abroad opportunities to students enrolled in a formal degree or certificate program. Students may receive

collegiate academic credit for study and experience occurring outside the United States by enrollment in:

1. KEI programs ([www.keiabroad.org](http://www.keiabroad.org))
2. University of Calabria at Rende, Province of Cosenza, Italy;
3. Travel-study programs sponsored by Fairmont State;
4. a resident study abroad or travel-study program sponsored by FACDIS (The West Virginia Consortium for Faculty and Course Development in International Studies);
5. a program directed by faculty members from other West Virginia institutions;
6. a program sponsored by a US college or university or Consortium with institutional approval;
7. a foreign university as a special student;
8. an accredited US college or university abroad; or
9. a program sponsored by an organization other than a college or university, with Fairmont State's approval.

Students will be required to obtain prior consent from their academic unit before registering for study abroad programs. Student also complete required institutional authorization paperwork.

Although such international experience is not required in all programs, study abroad is strongly recommended for students not only in the field of foreign languages, but in other fields as well (such as the humanities, social sciences, business, art, etc.). Resident study abroad programs or travel-study programs will be integrated with traditional academic courses offered at Fairmont State and will become part of the regular institutional curriculum. Study



abroad is an important component of a comprehensive studies program which can contribute to the development and growth of the individual student and prepare the student to function more effectively in a global society. Participants in such programs will enhance their preparation for further graduate or professional studies and employment while deriving countless other benefits.

For additional information and authorization forms, visit the Study Abroad LibGuide at <http://guides.library.fairmontstate.edu/studyabroad> or contact the Study Abroad Advisor, Dr. Erin Hippolyte ([Erin.Hippolyte@fairmontstate.edu](mailto:Erin.Hippolyte@fairmontstate.edu)).

### **The University of Calabria Exchange Program**

Fairmont State offers an exchange partnership in which students may spend a semester or academic year studying abroad at the University of Calabria (UNICAL). Located in southern Italy, the University of Calabria was founded in 1972 as a state-run university and is one of just a few campus universities in Italy. Modeled from British and North-American campuses, the buildings are situated along a suspension bridge, approximately one mile long. Students live in specific residential blocks near the campus. The whole structure is swathed in green hills near Arcavacata di Rende, a small village six miles from Cosenza in the Region of Calabria. Today, UNICAL has a student population of 35,000, many from around the world, preparing for bachelor, master, and doctoral degrees in six faculties (colleges of academic programming): humanities/letters/philosophy, economics, political sciences, engineering, sciences, and pharmacy. Strategically located in the heart of the Mediterranean world, students

at UNICAL have many opportunities to travel to other parts of Italy and surrounding countries during the exchange period. Students wanting to participate in the University of Calabria Exchange Program are required to have completed two semesters of Italian or demonstrate the equivalent language proficiency. Classes in elementary and intermediate Italian are offered through the Department of Language and Literature in the College of Liberal Arts at Fairmont State

In turn, as part of the exchange partnership, Fairmont State is listed as one of the 26 destinations that UNICAL students may consider for their international study abroad experience. Under the direction of the university's International Relations Unit, called Erasmus, UNICAL students are selected for a study abroad experience of one semester or an academic year through a competitive scholarship process of academic application and review. For additional information about the University of Calabria, visit its website [www.unical.it](http://www.unical.it). For more information about the UNICAL Exchange Program contact the Director of Educational Pathways for International Centers and Students, Sarah Sakaguchi ([Sarah.Sakaguchi@fairmontstate.edu](mailto:Sarah.Sakaguchi@fairmontstate.edu)).

### **The Washington Center Internship Program**

The Washington Center for Internships and Academic Seminars gives students the opportunity to live and work in one of the most important cities in the world, and to experience the professional arena, cultural diversity and educational opportunities of the nation's capital. If accepted into the program, students are placed with a program manager who helps them obtain an internship in the field of their choice,

whether it be for-profit, nonprofit or government work. The Washington Center Internship allows students to:

- Develop professional skills
- Clarify personal goals
- Improve research and communication skills
- Meet people from across the country and the world
- Prepare for life after college
- Give perspective on their studies
- Investigate a profession of interest
- Apply academic learning to the work world

For additional information, contact the Office of Career Development Center at (304) 367-4214 or email [careers@fairmontstate.edu](mailto:careers@fairmontstate.edu)

## Honorary Degrees

The President of the University shall make nominations for Honorary Degrees to the institutional Board of Governors. After consideration of the nomination and consultation with the President, the Board of Governors shall approve or decline the President's nominations.

## Honors Program

Dr. Robin Payne, Honors Program Director  
231 Turley Center  
(304) 367-4197 or (304) 367-4758  
[rpayne4@fairmontstate.edu](mailto:rpayne4@fairmontstate.edu)

## Honors Program Mission

The Honors Program seeks to enhance and deepen the education of bright students by increasing their analytic skills, providing them with classroom experiences that encourage them to take charge of their education, helping them to undertake international travel, and supporting them

on the path to wisdom. The Program encourages higher rates of retention and graduation as well as acceptance into graduate and professional schools.

## Program Overview

Participating in the Honors Program at Fairmont State University provides high-achieving students with a richer, more complete academic experience while in college. With academic opportunities, a close-knit community, and many other benefits, becoming a part of Honors will be a life-changing decision.

This enriching program includes priority registration, smaller class sizes, the chance at leadership positions, volunteer projects, a dedicated computer lab, a mentoring program, an annual trip to Washington, D.C., unique study abroad opportunities, and an array of activities and events. Honors students also have, because of their smaller class sizes, the advantage of getting to know their professors on a more personal level.

By joining the Honors Program, you are connecting with a group of diverse people, who come together with the common desire to pursue beyond the bare minimum of learning and thinking.

## Admission Requirements

**First-year students** are required to have a minimum ACT composite score of 26 or an SAT (new) score of 1180.

**Full-time students**, who have completed 15 credit hours with a 3.4 GPA, are required to have a composite ACT score of 24 or an SAT (new) score of 1110.

**Transfer students** with at least a 3.4 GPA from an accredited college and who are

transferring no more than 36 hours are required to have a composite ACT score of 24 or an SAT (new) score of 1110.

## Scholarships & Funding

Students who are eligible for the Honors Program typically qualify for the West Virginia PROMISE Scholarship as well as for prestigious scholarships, such as the competitive Charles J. McClain Presidential Scholarship or the J. Robert Backer Scholarship for Excellence in Honors.

## Facilities & Opportunities Available

Honors students may make use of the Honors lab in 231 Turley Center. Honors students are also eligible to live in and participate in activities at Prichard Hall, which houses the Honors LLC.

### Benefits for Honors Students

In addition to smaller classes, closer contact with faculty, and thought-provoking classes, students in Honors at Fairmont State enjoy other advantages and benefits, such as:

### Membership in the Honors Association

The association fosters friendships among Honors students and provides both academic and social support to members. Monthly meetings include lunch, socializing, and presentations.

### Working with a Peer Mentor

In your first year, you will be assigned a peer mentor, usually someone with the same major as you. Mentors help first-year students become familiar with the

campus. They are available to help first-year students with questions about classes and academic procedures.

### Access to the Honors Lab

Located in 231 Turley Center, the Honors lab is equipped with six computers and a printer for students to use. While academic work has priority, students find the atmosphere of the Honors lab to be a good place to meet friends and relax.

### Priority Registration

Honors students are entitled to register for classes with seniors and veterans during the first days of registration each semester.

### Opportunities to Travel

Honors students are eligible to take field trips to cities such as Pittsburgh and Washington, D.C., where they can sample the rich cultural life of the nation's major cities. Ordinarily, there is no cost for these trips.

Students in Honors may also elect to sign up for study abroad trips. In the past students have traveled to London, England; Paris, France; Rome, Italy; Istanbul, Turkey; Brussels, Belgium, and Stratford, Ontario. While students are asked to share the costs for these trips, Honors underwrites about half of the expense and provides academic credit.

### Participation in the Honors LLC

The Honors Program has a Living and Learning Community in Prichard Hall, which offers a supportive community in which students can study and enjoy co-curricular activities with like-minded students.

# University Honors Program Requirements

Students must complete the Honors Program Curriculum requirements and maintain a GPA of 3.4 or higher in order to graduate with an Honors designation. Students majoring in programs with special accreditation will have slightly different requirements as outlined below.

## Honors Curriculum Requirement (10 Credit Hours)

- HONR 1100 Honors Seminar: 1 Credit Hour
- HONR 3350 Honors Seminar in Special Topics (3 Credit Hour)
- HONR 4400 Honors Thesis Design (3 Credit Hours)
- Honors Thesis Project in Student's Major Field (3 Credit Hours)  
*Honors students will determine an appropriate project in consultation with the Honors Director and their faculty mentor. Students will be required to present their project in an appropriate venue upon its completion.*

## Honors Elective Requirements (15-20 Credit Hours)

- Core Curriculum Basic Skills, Critical Reasoning, and Personal Development with Honors designation
- HONR 2200 Honors Mentoring (Repeatable)
- HONR 3301 Honors Study/Travel (Repeatable)
- HONR 3350 Honors Seminar in Special Topics (Repeatable)
- Major Requirements or Electives with Honors designation

Note: There may be curriculum exceptions for transfer students and/or students in

programs with special accreditation requirements

## Honors Designation Total: 25-30 Credit Hours

## Transfer Student Honors Requirements (15-20 Credit Hours)

Students who transfer into the Honors Program from another institution with at least 60 credits must complete 15-20 credit hours in the Honors curriculum.

Requirements include:

- Core Curriculum, major field of study, and/or courses with Honors designation prefix (6-11 Credit Hours)
- HONR 3350 Honors Seminar in Special Topics (Repeatable)
- HONR 4400 Honors Thesis Design (3 Credit Hours)
- Honors Thesis Project in Student's Major Field (3 Credit Hours)  
*Honors students will determine an appropriate project in consultation with the Honors Director and their faculty mentor. Students will be required to present their project in an appropriate venue upon its completion.*

## Nursing Honors Requirements (25-30 Credit Hours)

Students completing the RN-BSN Nursing degree will undertake the following program of study for their core Honors requirements:

- HONR 1100 Honors Seminar: 1 Credit Hour
- HONR 3350 Honors Seminar in Special Topics (3 Credit Hour)
- NURS 3380 Evidence Based Practice with Honors Designation (3 Credit Hours)
- Honors Core Curriculum Electives (13-18 Credit Hours)

## Education Honors Requirements (25-30 Credit Hours)

*Students completing Secondary Education degrees will determine in consultation with the Director of Honors and their academic advisor the best course of action for satisfying their senior thesis requirement.*

- HONR 1100 Honors Seminar (1 Credit Hour)
- HONR 3350 Honors Seminar in Special Topics (3 Credit Hour)
- EDUC 3340 Instructional Design II with Honors Designation (3 Credit Hours)
- EDUC 3341 Residency 1: Teaching Practice and Assessment with Honors Designation (5 Credit Hours)
- Honors Core Curriculum Electives (15-20 Credit Hours)

## Academic Colleges

## College of Business and Aviation

### About the College

Dr. Rebecca Giorcelli, Interim Dean  
109-B Jaynes Hall  
(304) 367-4183  
[Rebecca.Giorcelli@fairmontstate.edu](mailto:Rebecca.Giorcelli@fairmontstate.edu)

The College of Business and Aviation offers Bachelor of Science Degrees in Accounting, Aviation, Business Administration, Healthcare Management and Information Systems Management. Concentrations within the Business Administration degree include: Management, Finance, Business, and Marketing. College of Business and Aviation Degree recipients are not required to select a minor field of study, but may do so. Students must consult the Catalog or their advisor when selecting a minor. BSBA 2200 -Economics cannot be substituted for Principles of Macroeconomics (BSBA 2211) in meeting the College's major requirements. Courses offered by the College of Business and Aviation may be found under the headings of Accounting, Aviation, Business, Economics, Finance, Healthcare Management, (Business) Information Systems Management, Management and Marketing. All courses may not be offered each semester; therefore, students are urged to consult with their advisor in course scheduling. Course rotation schedules are available in the College of Business and Aviation office, as well as on its website.

### Academic Departments

## Department of Accounting, Economics & Finance

Dr. Joseph Kremer, Department Chair  
116B Jaynes Hall  
304-367-4744  
[Joseph.Kremer@fairmontstate.edu](mailto:Joseph.Kremer@fairmontstate.edu)

## Department of Marketing & Management

Dr. Raymond Alvarez, Interim Department Chair  
207-B Jaynes Hall  
(304) 367-4183  
[Raymond.Alvarez@fairmontstate.edu](mailto:Raymond.Alvarez@fairmontstate.edu)

## Department of Aviation

Joel Kirk, Director  
Robert C. Byrd National Aerospace Education Center  
(304) 333-3784  
[Joel.Kirk@fairmontstate.edu](mailto:Joel.Kirk@fairmontstate.edu)

## Degree Programs

### Majors

- Accounting, B.S.
- Aviation Administration; Aviation Management Concentration, B.S.
- Aviation Administration; Professional Flight Concentration, B.S.
- Business Administration, B.S.
- Business Administration; Data Analytics Concentration, B.S.
- Business Administration, Economics Concentration, B.S.
- Business Administration, Finance Concentration, B.S.
- Business Administration, Management Concentration, B.S.
- Business Administration, Marketing Concentration, B.S.

- Healthcare Management, B.S.
- Healthcare Management; Healthcare Marketing Concentration, B.S.
- Healthcare Management; Non-Profit Leadership Concentration, B.S.
- Healthcare Management; Wellness Leadership Concentration, B.S.
- Healthcare Management; Health Information Technology Concentration, B.S.
- Information Systems Management, B.S.

#### Minors

- Business Administration Minor
- Healthcare Management Minor

#### Certificate

- Leadership Certificate

## College of Education, Health and Human Performance

### About the College

Dr. Amanda Metcalf, Dean  
352 Education Building  
(304) 333-3679  
[Amanda.Metcalf@fairmontstate.edu](mailto:Amanda.Metcalf@fairmontstate.edu)

The College of Education, Health and Human Performance is comprised of two departments that offer five bachelor programs, 16 teaching specializations, three minors, seven master degree programs, and four graduate certification programs.

### Vision, Mission and Goals of Teacher Education program

The vision for the teacher education program is to be renowned for its

innovative pedagogical practices and programs and as the first-choice institution for students seeking a transformative educational experience. The Education Preparation Provider (EPP) values the institution's vision statement by implementing innovative pedagogical practices and programs. The EPP seeks to provide teacher candidates with a transformative educational experience as a first-choice institution distinguished for its teacher preparation history. The EPP continually strives to improve all program aspects related to innovations in teaching excellence, conducive learning environments, and supportive services. Furthermore, the EPP develops candidates with the knowledge, skills, and dispositions to be reflective, responsive, and successful educators. The Journey program, the EPP student support system, is student centered and focuses on providing an environment that facilitates the education of global citizen leaders.

The mission of the teacher education program is to prepare reflective and responsive educators who possess the knowledge, skills, and dispositions to help all students learn, is supportive of the institution's commitment to excellence and transformational impact, but extends the meaning, specifically addressing the success of EPP candidates. The mission provides the structure and guiding principles that are necessary to prepare reflective and responsive educators. The West Virginia Professional Teaching Standards (WVPTS), the Interstate Teacher and Support Consortium (InTASC) Standards, and the Council for the Accreditation of Educator Preparation (CAEP) Standards undergird the knowledge, skills, and dispositions that candidates must possess in order to facilitate learning for all students. Diversity

and technology are included in the mission, representing cross-cutting themes throughout the EPP programs. Demonstrated competencies within the Standards empower candidates to function as reflective and responsive educators. The EPP's mission is based on research about effective teaching and best practices that apply to teacher candidates at the initial level as well as accomplished teachers at the advanced level. The mission and the respective standards are also central guiding elements of the Fairmont State College of Education, Health and Human Performance (SoEHHP) Professional Development School (PDS) Partnership. The PDS Partnership provides for an exemplary collaboration with P-12 schools that allows candidates' multiple, quality field experiences/internships as well as professional development opportunities for all stakeholders.

The acronym SOAR represents the institution's core values - Scholarship (to celebrate the joy and wonder of discovery), Opportunity (to grow, learn, engage, and contribute), Achievement (to reach personal and community goals), and Responsibility (to fulfill obligations to the learning community, our society, the future, and ourselves). The EPP embraces Fairmont State's core values. The EPP goals include but are not limited to:

1. Recruiting candidates who successfully meet all the requirements for program admission and providing scaffolded and sequenced opportunities to support candidates' success.
2. Retention of candidates by providing effective advising and support mechanisms as well as programmatic resources from candidate admission through candidate exit and beyond.

3. Graduating highly qualified teacher candidates who meet or exceed all requirements for program completion, certification, and licensure.
4. Recruiting and retaining exemplary faculty from a broad range of diverse backgrounds who positively impact candidates' learning.

The EPP's Recruitment and Retention Plan describes the recruitment and retention strategies geared toward all undergraduate students, but also specifically addresses the EPP's effort to increase the number of teacher candidates from a broad range of backgrounds and diverse populations. The EPP's mission mirrors Fairmont State's mission/vision with its shared goal of a commitment to excellence and student success.

### **Journey Student Success Program**

This unique program provides academic and social/emotional support services for students of all majors in the College of Education and Health & Human Performance. This program includes a discipline-specific summer orientation, welcome week group meetings, town meetings, social activities, and opportunities for creating connections with current students, faculty, and staff. Students are encouraged to participate in this program and other activities that promote their success in college.

### **Accreditation**

The Teacher Education program is approved by the West Virginia Board of Education and accredited by the Council for the Accreditation of Educator Preparation (CAEP). The University is also a member of the American Association of



Colleges for Teacher Education (AACTE) and Council for the Advancement and Support of Education (CASE). In addition, selected teaching specializations are nationally approved by their respective learned society and/or professional organization.

## Department of Education

Toni Poling, Department Chair  
333 Education Building  
304-367-4160  
[Toni.Poling@fairmontstate.edu](mailto:Toni.Poling@fairmontstate.edu)

Department of Education provides opportunities for candidates seeking initial or advanced certification in a variety of teaching specializations with both undergraduate and graduate programs. Our programs are designed to fulfill the mission and vision of Fairmont State and to reflect our Conceptual Framework and our commitment to prepare Reflective and Responsive Educators who have the Knowledge, Skills and Dispositions to Help All Students Learn. The Teacher Education Program Learning Outcomes support the assessment and development of educators who are prepared to meet the needs of students with:

- **Effective curriculum and planning** based on current knowledge of content, pedagogy, assessment, instructional design, and the integration of 21<sup>st</sup> century tools to help all students learn.
- **Essential knowledge of learner development** and how to create a culture and learning environment that meets the learning needs of all students.
- **Best teaching practices** in the integration of knowledge of content, pedagogy, the learner, and the learning environment to involve all students in relevant,

- engaging, and effective learning opportunities (TE Outcome 3)
- Individual and collaborative processes of **reflective renewal of teaching practice** and the teaching profession to improve learning for all students.
- Strategies for **engagement in a school community** and the larger community of parents and stakeholders to maintain an environment that fosters learning for all students.
- Transforming teaching and learning to engage all students through the **meaningful integration of technology**.
- **Culturally responsive teaching practices** that create ideal learning conditions for all students under a broad definition of diversity.
- **Effective face-to-face and media communication** techniques in interactions with all students, colleagues, parents, and community.
- **Responsible, reflective, and responsive professional dispositions** that demonstrate a commitment to help all students learn.

Candidates who complete the Teacher Education Program at Fairmont State are prepared to meet the certification standards of West Virginia and many other states. Nationally and throughout West Virginia there is a need for special education, science and mathematics teachers, and in communities across our state there are needs for teachers with a variety of other specializations. In addition to encouraging candidates to consider these high-need, shortage areas, Fairmont State actively seeks to increase the diversity of its teacher candidates and the faculty who work with them.

## Teacher Education Graduation and Licensure Requirements

## Graduation Requirement

The Core Curriculum requirement for Fairmont State teacher education students differs for elementary and middle/adolescent education programs; however, each consists of a minimum of 30 credit hours distributed over humanities, mathematics, natural sciences, and physical education and health. The Core Curriculum requirements for elementary education also fulfill selected requirements for the Elementary/K-6 specializations and are included with the Elementary and the Early/Middle Specialization in determining the 2.75 grade point requirement for eligibility for the Clinical (Student Teaching) component of the program.

To meet the requirements for the Bachelor of Arts in Education, the candidate must:

1. earn a minimum of 120 hours' credit in approved subjects, with a quality point average of 2.75 or better for all courses attempted;
2. attain a 2.75 average in each teaching specialization and professional education;
3. meet the general and specific requirements for the curriculum and teaching specialization(s) elected;
4. achieve acceptable scores on the CORE and Specialty Area Content tests;
5. achieve a minimum grade of "C" or better in all EDUC classes.

## Licensure Requirement

Fairmont State recommends for professional licensure only those persons who have graduated and have satisfactorily completed a teacher education curriculum approved by the West Virginia Board of Education. Students who satisfactorily

complete a teaching curriculum in a given area and achieve passing scores on the CORE, PLT, and appropriate content exams will be recommended for a Professional Certificate in one of the following grade areas:

1. K-6
2. Pre-K-Adult
3. 5-9
4. 5-Adult
5. 9-Adult

## Teacher Education Policies and Procedures

### Pre-Admission Requirements to Teacher Education

Any student may enroll in EDUC 2200 or EDUC 2201. While enrolled in EDUC 2201, teacher candidates will complete a "Declaration of Intent" to be used as the initial step in the application process.

In order to be admitted to teacher education a candidate must have:

- Earned passing scores on all three sections of the CORE Academic Skills for Educators Test
- 2.75 overall GPA
- 2.75 education GPA
- 2.75 GPA in each teaching specialization
- Submitted a Declaration of Intent
- Completion of all Early Field Experiences

To apply for the admission to the teacher education program, students are required to submit a portfolio in TaskStream to verify all requirements are met. Students will be notified in writing of the decision to admit or not admit. The SOE Teacher Education Selection Committee reviews all applications. Applications must be submitted by either March 1 or October 1.

## Pre-Admission Field Experience 1

The Teacher Education Program at Fairmont State includes an Early Field Experience (EFE) Field Experience 1 designed to help introduce prospective teacher certification candidates to the teaching profession, work of educators in the school and community settings and program of study. The Early Field Experience is also designed to create a community of pre-education majors by providing increased support, communication, and contact with pre-majors prior to actual admission to Teacher Education.

Focus on Diversity: As much as settings, agencies and contexts for the Early Field Experiences allow, candidates should seek out locations that support interactions, relationship-building and activities with communities who represent diversity. Diversity may represent a broad range of identities, experiences, and lives that include race and ethnicity, class, gender, and special learning needs. At Fairmont State the College of Education, Health and Human Performance uses CREDE (Center for Research on Education, Diversity, and Excellence) standards to frame how we think about diversity and what it means to be an educator who believes that engagement with and learning for diverse communities is central to being an educator. We believe that experiences such as these for the pre-service teachers are essential to the process of deciding to major in education and becoming a member of the profession. The CREDE standards can be located at <https://manoa.hawaii.edu/coe/credenati>

[onal/the-crede-five-standards-for-effective-pedagogy-and-learning/](#).

Potential program candidates will complete a field experience prior to admission to Teacher Education. The field experience must be pre-approved by the teacher education program and include:

- EFE Professional Development School (PDS). In this first field experience, students are placed in a local PDS school. PDS sites are schools that formally partner with Fairmont State. The PDS-based experiences must total a minimum of 20 clock hours scheduled over at least 5 days. Candidates will be assessed on their dispositions and must keep a time log.
- Students will be asked to complete an evaluation of their experience in each setting. The EFE-PDS experience must be completed during the same semester it was initiated.

## Transfer Students

Transfer students must complete all Fairmont State teacher education admissions requirements. Any substitute experiences completed at another institution must be approved as having met Fairmont State program requirements prior to application for admission to Teacher Education.

Note: During the file review period, a request for information on candidates will be sent to all College of Education, Health & Human Performance faculty, staff and administrators. Feedback on a candidate's "dispositions" is a significant part of this process. According to the Council for Accreditation of Educator Preparation (CAEP) a disposition is defined as those "professional attitudes, values, and beliefs demonstrated through both verbal and

non-verbal behaviors as educators interact with students, families, colleagues and communities." Candidates should be aware of how personal and professional behaviors may reflect on their pursuit of a career in Teacher Education.

### **Policy on Criminal Background Checks and TB Testing**

Fairmont State does not require a criminal background check or TB test for entrance into the teacher education major. However, the State of West Virginia does have policies related to who may enter public-schools and work directly with children. Students will be required to provide documentation of these two procedures prior to entering any public-school facility for the purpose of field experiences and student teaching. It is important that pre-majors plan on completing the criminal background check and TB test prior to the start of Early Field Experience PDS. More information about these requirements can be found on the Fairmont State College of Education web site.

### **Post Admission Requirements**

Once a student is admitted to the Teacher Education Program, students are required to complete additional field and clinical experiences. Fairmont State adheres to the requirements of WV State Policy 5100. This policy mandates the following for each teacher candidate.

- A clinical practice at both the elementary and middle or secondary levels.
- Field based experiences and/or clinical practice must be completed at a minimum of three different programmatic levels in the Pre-K-Adult degrees.

- A third programmatic level will be determined by the institution of higher education.

This sequence is required for all teacher education candidates. At the present time, placements are made at the Professional Development Schools (PDS), which encompass public-schools in a six-county area. These schools are sites of "best practice" and are schools who work collaboratively with Fairmont State to ensure quality teacher education and professional development for practicing teachers. All such experiences are cooperatively arranged by university and public-school personnel. All assessments are aligned with the new West Virginia Professional Teaching Standards (WVPTS).

### **Field Experiences 2-4 and Residency 1**

Progression to the student teaching clinical experience requires the following field experiences and the co-requisite courses:

#### **EDUC 2241: Field Experience 2: The Learner and the Learning Environment**

##### **Course Catalog Description:**

This is a one-credit field experience will allow preservice teacher candidates the opportunity to reflect on teaching practice within the context of a specific school, community, and classroom setting with an emphasis on individuals with exceptionalities and inclusive practices. (PR: Admission into Teacher Education; CR: EDUC 2240)

#### **EDUC 2261: Field Experience 3: Learning Context and Teaching**

##### **Course Catalog Description:**

This two-credit field experience will allow the preservice teacher candidate the opportunity to reflect on teaching

practice within the context of a specific school, community, and classroom setting. This is a two-credit course that must be completed as a field experience in a Professional Development/public-school setting. (PR: EDUC 2241; CR: EDUC 2260)

**EDUC 3334: Field Experience 4:  
Disciplinary Literacy and Assessment**

**Course Catalog Description:**

This is a two-credit course that must be completed as a field experience in a Professional Development/public-school setting. This field experience will allow the preservice teacher candidate the opportunity to reflect on disciplinary literacy practices and authentic assessments in the teaching of reading, writing, speaking, and listening. (PR: EEDUC 2260; CR: EDUC 3331 or EDUC 3333)

**EDUC 3341: Residency 1: Teaching  
Practice and Assessment Course Catalog  
Description:**

This is a 5-credit-hour course that must be completed as a field experience in a Professional Development/public-school setting. The field experience will allow the preservice teacher candidate the opportunity to apply and reflect on his/her content, assessing for learning, professional and pedagogical knowledge, skills and dispositions. In addition, the preservice teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiency in the professional role for which s/he is preparing. (PR: EDUC 3334; CR: EDUC 3340, EDUC 3351)

\*Field Experiences are sequential and cannot be taken in the same term. EDUC

2203 must be completed prior to Field Experience 2.

**Clinical Experience - Residency 2-Full Time  
Student Teaching**

Student teaching is required in all programs. Students must complete student teaching or comparable experience at state required developmental levels and in all of the teaching specializations for which they expect to be licensed. At the present time, placements are made at the Professional Development Schools (PDS), which encompass public-schools in a six-county area. All such experiences are cooperatively administered by college and public-school personnel.

Student teaching is comprehensive immersion into the public-school setting at two developmental levels. Teacher candidates apply and reflect on content, professional, and pedagogical knowledge, skills and dispositions required of a teacher. During this experience, teacher candidates will design and implement an action research project to demonstrate its effect on student learning. West Virginia Department of Education Policy 5100 requires that teacher candidates pass the PRAXIS II content area tests prior to placement in the student teacher clinical experience.

Due to the uniqueness of the off-campus student teaching experience, a candidate may be administratively removed if there is cause.

**Admission Requirements to Student  
Teaching**

To participate in student teaching, a teacher candidate must apply for and receive a student teaching permit as required by the West Virginia Department

of Education. In addition, the student must meet the requirements listed below:

- All core curriculum requirements of the University as well as the minimum requirements of the teaching specialization must be completed before student teaching can be scheduled.
- Be officially admitted to teacher education.
- Complete all required hours with a minimum grade point average of 2.75 overall in education foundation and professional education courses, and each teaching specialization. All courses in the teaching specialization (major) must be completed prior to admission to Student Teaching.
- Have a grade of "C" or better in all EDUC classes.
- Adherence to the West Virginia Teacher Code of Conduct with regard to dispositional behaviors.
- Successful completion of the appropriate PRAXIS II Specialty Area Test.

### **PRAXIS II Content Test(s)**

Successful completion of the appropriate PRAXIS II Specialty Area test(s) and Principles of Learning and Teaching (PLT) are requirements for licensure. A report of the Specialty Area Test(s) and PLT scores must accompany the application for licensure to the West Virginia Department of Education. If the test scores do not meet the state minimum score, the application must be held pending receipt of acceptable scores. Candidates should keep in mind that a denial of licensure at the time of graduation may subject them to changes in program requirements if they seek licensure later.

Early/Middle Education. Candidates expecting to be licensed for Elementary Education K-6 and an academic specialization must achieve acceptable scores in both areas.

Middle/Adolescent Education. Candidates expecting to be licensed for teaching in grades 5-Adult or 9-Adult must take the Specialty Area Test consistent with the specialization(s) to be named on the license. If they expect to be licensed in two specializations, they must achieve acceptable scores in both specializations.

Pre-K-Adult Education. A candidate expecting to be licensed for teaching in grades Pre-K-Adult must achieve acceptable scores on the Specialty Area Test consistent with the Pre-K-Adult specialization to be named on the license.

In order to identify the appropriate testing dates, times, locations, etc., for any given year, candidates should check the ETS.org website.

### **University Recommendation Prerequisite to Certification**

University recommendation shall take into consideration Chapter 18A, Section 3, Article 1, of the West Virginia School Law, which reads "(1) A certificate to teach may be granted only to any person who is: (A) A citizen of the United States, except as provided in subdivision (2) of this subsection; (B) Is of good moral character; (C) Physically, mentally and emotionally qualified to perform the duties of a teacher; and (D) At least eighteen years on or before the first day of October of the year in which his or her certificate is issued."

The issuance of an original certificate shall require:

1. The recommendation of the Dean of Teacher Education, in consultation with the supervisor of student teachers and chairperson of the department offering the student's chosen specialization. This recommendation is expected

- to reflect, in addition to academic criteria, satisfactory performance on the part of the applicant in a typical classroom situation.
- 2. An official statement by the Dean of Teacher Education that the approved program has been completed in full.

## Teacher Education Degree Programs

### Bachelor of Arts in Education K-6

- Elementary Education K-6, B.A.
- Elementary Education K-6, BA (Mathematics Endorsement, 5-9)
- Elementary Education K-6, BA (Multi-categorical Special Education Endorsement, K-12)
- Elementary Education K-6, BA (Spanish Endorsement, Pre-K-Adult)

### Bachelor of Arts in Education Pre-K-Adult Specializations

Candidates who wish to qualify for teaching in an open or self-contained classroom, Pre-K through Adult, shall complete Core Curriculum, Professional Education, and Specialization requirements. Candidates electing a teaching specialization must include the Methods and Materials course for that comprehensive area. If electing to complete two single-subject specializations, Methods and Materials must be completed for both specializations. The student teaching assignments must also include teaching experience at each developmental level to be named on the license.

#### Specializations

- Art Grades Pre-K - Adult Teaching Specialization, B.A.

- Biology Grades 9-Adult Specialization, B.A.
- Chemistry Grades 9-Adult Specialization, B.A.
- Earth & Space Science Grades 5-Adult Specialization, B.A.
- English Grades 5-Adult Teaching Specialization, B.A.
- General Science Grades 5-Adult Specialization, B.A.
- Journalism Grades 5-Adult Teaching Specialization, B.A.
- Mathematics Grades 5-Adult Specialization, B.A.
- Physical Education Pre-K-Adult Teaching Specialization, B.A.
- Physics Grades 9-Adult Specialization, B.A.
- Social Studies Grades 5-Adult Teaching Specialization, B.A.
- Spanish Pre-K - Adult, Teaching Specialization, B.A.

### Teaching Endorsements

The Department of Education prepares candidates for a Bachelor of Arts in Education degree with an endorsement in a specialized teaching area. Teaching endorsements must be combined with a B.A. in Education degree program. Field experiences and student teaching in an approved classroom for the teaching endorsement is required. Optional endorsements include the following:

- Mathematics (Grades 5-9) Teaching Endorsement
- Multi-categorical Special Education (K-12) Teaching Endorsement
- Spanish (Pre-K-Adult), Teaching Endorsement

## Department of Health and Human Performance

Jan Kiger, M.S., Department Chair  
307 Colebank Hall  
(304) 367-4984  
[Jan.Kiger@fairmontstate.edu](mailto:Jan.Kiger@fairmontstate.edu)

Exercise Science is the discipline that engages in the comprehensive study of human movement, where this knowledge is applied to a wide range of human performance areas and allied healthcare. The Department of Health and Human Performance offers both undergraduate majors and minors, graduate programs, and multiple courses emphasizing Lifetime Physical Activity and Physical Fitness.

## **Degree Programs**

### **Majors**

- Exercise Science, B.S.
- Exercise Science; Kinesiology Concentration, B.S.
- Exercise Science; Exercise Physiology Concentration, B.S.
- Elementary Education K-6, B.A.
- Physical Education Pre-K-Adult Teaching Specialization, B.A.
- Pre-K-Adult Education Specializations, B.A.
- School Health Education 5-Adult Teaching Specialization, B.A.

### **Minors**

- Exercise Science Minor
- Nutrition Science Minor
- Outdoor Recreation Leadership Minor

## **College of Liberal Arts**

### **About the College**

Dr. Christopher Kast, Dean  
110A Hardway Hall  
(304) 367-4236  
[ckast@fairmontstate.edu](mailto:ckast@fairmontstate.edu)

The College of Liberal Arts houses three departments that offer 11 bachelor programs, five teaching specializations, 18 minors, and two master degree programs.

By providing rigorous programs of study in the Behavioral Sciences, Language and Literature, and Social Sciences, the College of Liberal Arts fulfills its mission to engage students in pursuit of intellectual excellence and global awareness, bringing them to join with faculty mentors in the discoveries, both personal and professional, to be realized through scholarship, opportunity, achievement, and responsibility, Fairmont State's core values.

### **Academic Departments**

## **Department of Humanities**

Dr. Mary Angela Schwer, Department Chair  
311 Jaynes Hall  
(304) 367-4723  
[mschwer@fairmontstate.edu](mailto:mschwer@fairmontstate.edu)

## **Department of Behavioral Sciences**

Dr. Michael Ransom, Department Chair  
101 Hardway Hall  
(304) 367-4675  
[mransom@fairmontstate.edu](mailto:mransom@fairmontstate.edu)

## **Department of Social Science**

Dr. Jeri Kirby, Department Chair  
110N Hardway Hall  
(304) 367-4676  
[jkirby2@fairmontstate.edu](mailto:jkirby2@fairmontstate.edu)



# Degree Programs

## Majors

- Communication Arts, Cultural Outreach Communication Concentration, B.A. [Inactive]
- Communication, B.A.
- Community Health Promotion, B.S.
- Criminal Justice, B.S.
- Criminal Justice, Police Academy Concentration, B.S.
- English Grades 5-Adult Teaching Specialization, B.A.
- English, Creative Writing Concentration, B.A.
- English, Literature Concentration, B.A.
- English, Writing for the Workplace Concentration, B.A.
- History, B.A.
- History, B.S.
- Journalism Grades 5-Adult Teaching Specialization, B.A.
- National Security and Intelligence, B.A.
- Political Science, B.A.
- Psychology, B.S.
- Psychology, Behavioral Analytics Concentration, B.S.
- Social Studies Grades 5-Adult Teaching Specialization, B.A.
- Sociology, B.S.
- Sociology, Behavioral Analytics Concentration, B.S.
- Spanish (Pre-K-Adult), Teaching Endorsement
- Spanish Pre-K - Adult, Teaching Specialization, B.A.
- Spanish, B.A.

## Minors

- Communication Arts Minor
- Community Health Minor
- Creative Writing Minor
- Criminal Justice Minor
- English Minor
- Folklore Studies Minor

- French Minor
- Geographic Information Science Minor (GISc)
- History Minor (18 Credit Hours)
- International Studies Minor
- Museum Studies Minor
- Musical Arts Minor
- National Security and Intelligence Minor
- Philosophy Minor
- Policy Academy Minor
- Political Science Minor
- Professional Writing, Business and Technical Writing Minor
- Professional Writing, Journalism: Technical Writing Option Minor
- Professional Writing, Multimedia or Journalism, Minor
- Psychology Minor
- Sociology Minor
- Spanish Minor
- Teaching English to Speakers of Other Languages (TESOL) Minor
- Theater Arts Minor
- Women's and Gender Studies Minor

## Certificates

Basic Training in Law Enforcement Certificate Program

## College of Nursing

- Degree Programs
- Core Curriculum
- Faculty

## About the College

Dr. Laura Clayton, Dean  
144 Education Building  
(304) 367-4074  
[Laura.Clayton@fairmontstate.edu](mailto:Laura.Clayton@fairmontstate.edu)

The College of Nursing is composed of associate degree programs (Traditional, Hybrid/Weekend and LPN to ASN) and baccalaureate degree programs (Traditional and RN-BSN) and specialty certification as a School Nurse.

### **Vision and Mission of the College**

The mission of Fairmont State University College of Nursing is to serve as a leader in improving the health of West Virginia and the global community through a commitment to excellence and innovation in teaching, scholarship and service. Our vision is to be a center for excellence in nursing education where graduates are capable of providing care for and changing the health of the world. We accomplish our mission and vision through both a Bachelor of Science in Nursing and an Associate of Science in Nursing programs.

## **Degree Programs**

### **Majors**

- Nursing, A.S.N
- Nursing, RN-BSN
- Nursing, Traditional B.S.N.
- School Nurse Certificate Program

## **College of Science and Technology**

- Academic Departments
- Degree Programs
- Core Curriculum
- Faculty

### **About the College**

Dr. Steven K. Roof, Dean  
328A Hunt Haight Hall

(304) 367-4869

[Steven.Roof@fairmontstate.edu](mailto:Steven.Roof@fairmontstate.edu)

The College of Science & Technology is comprised of four departments that offer 5 associate programs, 12 bachelor programs, 8 teaching specializations, 15 minors, and two master degree program. The mission of the College is to promote effective student learning in science, math, and technology and to prepare top-quality graduates for their future endeavors, including graduate study, employment, or other personal goals.

### **Academic Departments**

## **Department of Architecture, Art & Design**

Joel Dugan, M.F.A, Department Chair  
408 Wallman Hall  
(304) 367-4704  
[Joel.Dugan@fairmontstate.edu](mailto:Joel.Dugan@fairmontstate.edu)

## **Department of Computer Science and Mathematics**

Dr. Mahmood Hossain, Department Chair  
201G Engineering Technology  
(304) 367-4967  
[mhossain@fairmontstate.edu](mailto:mhossain@fairmontstate.edu)

## **Department of Engineering Technology**

Dr. Ragavananthan Shanmugan, Department Chair  
402 Engineering Technology  
(304) 367-4887  
[Ragavananthan.Shanmugan@fairmontstate.edu](mailto:Ragavananthan.Shanmugan@fairmontstate.edu)

# Department of Natural Sciences

Dr. Deb Hemler, Department Chair  
315 Hunt Haught Hall  
(304) 367-4393  
[dhemler@fairmontstate.edu](mailto:dhemler@fairmontstate.edu)

## Degree Programs

### Majors

- Architecture, B.S.
- Art Grades Pre-K - Adult Teaching Specialization, B.A.
- Biology Grades 9-Adult Specialization, B.A.
- Biology, B.S.
- Chemistry Grades 9-Adult Specialization, B.A.
- Chemistry, B.S.
- Civil Engineering Technology, A.S.
- Civil Engineering Technology, B.S.
- Computer Science, B.S.
- Computer Science, Cybersecurity Concentration, B.S.
- Earth & Space Science Grades 5-Adult Specialization, B.A.
- Electronics Engineering Technology, A.S.
- Electronics Engineering Technology, B.S.E.T.
- Forensic Science, B.S.
- General Science Grades 5-Adult Specialization, B.A.
- Graphic Design, B.S.
- Mathematics, B.S.
- Mathematics (Grades 5-9) Teaching Endorsement
- Mathematics Grades 5-Adult Specialization, B.A.
- Mechanical Engineering Technology, A.S.
- Mechanical Engineering Technology, B.S.E.T.
- Occupational Safety, B.S.

- Physics Grades 9-Adult Specialization, B.A.
- Safety Engineering Technology, A.S.
- Studio Art, Cross-Media Concentration, B.A.
- Studio Art, Painting Concentration, B.A.
- Studio Art, Pottery/Sculpture Concentration, B.A.

### Minors

- Art History Minor
- Art Minor
- Automation and Robotics Minor
- Biology Minor
- Chemistry Minor
- Computer Science Minor
- Cybersecurity Minor
- Data Science Minor
- Electronics Engineering Technology Minor
- Forensic Investigative Science Minor
- Game Design Minor
- Graphic Design Minor
- Mathematics Minor
- Occupational Safety Minor
- Physics Minor
- Technology Minor

# PROGRAMS and COURSES

## Core Curriculum

- Learning Outcomes
- Fairmont State Core Requirements
- Core Course Menu
- Core Policies

The Fairmont State core curriculum ensures that students possess a wide range of skills and knowledge to enhance their lives after graduation. The knowledge, skills, and abilities obtained through the core curriculum transcend specific disciplines and are valued by employers at all levels and by society in general. Fairmont State supports a core curriculum so that our students appreciate the diversity of disciplines as they discover possibilities in their interdependence. The skills and knowledge obtained by completing core curriculum courses provide students with the necessary tools to be productive employees, leaders, and citizens. The categories were designed to incorporate the foundational knowledge and skills that have enduring societal value and to prepare students to survive and thrive in a complex, diverse, and dramatically changing world. A large portion of the skills and knowledge Fairmont State expects its students to have when they graduate comes from core curriculum courses.

## Learning Outcomes

### Basic Skills

- First Year Seminar: Apply academic tools, utilize campus resources, and actively participate in order to successfully transition into and through the first year of college.
- Written Communication: Read critically and reflectively, and be

able to use writing to communicate effectively with an audience.

- Oral Communication: Demonstrate communication skills in argument and reasoning, the analysis and use of evidence, persuasion, and oral presentations.
- Mathematics: Use appropriate symbolic manipulation skills and problem-solving methods to model and solve problems, interpret the solution to reach a valid conclusion, and correctly use the language of mathematics to describe relationships or patterns.

### Critical Reasoning in the Disciplines

- Humanities: Understand the basic elements of the humanities and the role that language, literature, and/or history plays in their daily lives.
- Fine Arts: Demonstrate the ability to analyze or interpret works of fine art using the language of criticism relevant to the form of study or to create works of fine art using the appropriate processes.
- Natural Science: Demonstrate proficiency with scientific content and laboratory activity/process skills, recognize the limitations of science, and apply quantitative analysis in the investigation of relevant natural science issues.
- Social Science: Apply concepts and prevailing theories within the social and behavioral sciences.

### Personal Development

- Citizenship: Explain the responsibilities of citizens, how to participate in the democratic process, and how to contribute to civil society.

- Global Awareness: Develop the awareness and knowledge to understand the complexity of intercultural connections and to live and work in a global society.
- Fitness and Wellbeing: Identify the behaviors and skills that lead to physical and psychological health and well-being.
- Technology: Demonstrate technology skills that will help them in problem solving or decision making.

requirements to meet their respective accreditation standards.

### **Fairmont State Core Requirements**

The Fairmont State Core Curriculum is a minimum of 30 credits and satisfies the Higher Learning Commission minimum credit requirements for a general education core. Some departments and/or programs may have additional

<b>Core Curriculum Area</b>	<b>Core Outcome</b>	<b>Credits</b>
First Year Seminar	Basic Skills	1-3
Written Communication	Basic Skills	6-7
Oral Communication	Basic Skills	3
Mathematics	Basic Skills	3-4
Humanities	Critical Thinking	3
Fine Arts	Critical Thinking	2-3
Natural Science	Critical Thinking	4-5
Social Science	Critical Thinking	3
Citizenship	Personal Development	3
Global Awareness, Fitness & Wellbeing, or Technology	Personal Development	2-3

## Core Course Menu

Students should choose courses to fulfill categories by using DegreeWorks in concert with program requirements and course prerequisites. Students are encouraged to ALWAYS check with their assigned advisor before registering for courses.

### First Year Seminar (1-3 credits)

- BSBA 1100 Business Onboarding (Program Requirement)
- HONR 1100 Honors Seminar
- NURS 1025 Introduction to Nursing (Program requirement)
- SOAR 1100 First Year Seminar

### Written Communication (6-7 credits)

*Complete 6-7 hours of Written English with a grade of "C" or higher.*

- ENGL 1101 Written English I
- ENGL 1102 Written English II
- ENGL 1103 Technical Report Writing

### Oral Communication (3 credits)

- COMM 2200 Introduction to Human Communication
- COMM 2201 Introduction to Group Discussion
- COMM 2202 Introduction to Communication in the World of Work

### Mathematics (3-4 credits)

- MATH 1407 Fundamental Concepts of Math with Support
- MATH 1410 Applied Mathematics I-Enhanced
- MATH 1430 College Algebra with Support
- MATH 1507 Fundamental Concepts of Math

- MATH 1520 Applied Technical Mathematics I
- MATH 1530 College Algebra
- MATH 1540 Trigonometry & Elem Functions
- MATH 2501 Calculus I

### Humanities with Critical Thinking (3 credits)

- ENGL 2220 World Literature I: Origins to 1650
- ENGL 2221 World Literature II: 1650 to the Present
- ENGL 2240 Introduction to Literature: Prose, Poetry, and Drama
- FOLK 2200 Introduction to Folklore
- HIST 2211 World Civilization I
- HIST 2212 World Civilization II
- HIST 2213 World Civilization III
- PHIL 2200 Introduction to Philosophy
- PHIL 2250 Great Philosophers
- PHIL 2275 Intro to Logic & Critical Reasoning

### Fine Arts with Critical Thinking (2-3 credits)

- ART 1120 Art Appreciation
- ART 1141 Design II: 3D
- MUSI 1120 Music Appreciation
- MUSI 1167 Collegiate Singers
- MUSI 1168 Marching Band
- MUSI 1169 Wind Ensemble
- MUSI 2247 Jazz Ensemble
- MUSI 2277 Chamber Choir
- MUSI 2279 Advanced Percussion Ensemble
- THEA 1120 Theatre Appreciation

### Natural Science with Critical Thinking (4-5 credits)

- BIOL 1104 Biosphere
- BIOL 1105 Biological Principles I
- BIOL 1106 Biological Principles II

- BIOL 1180 & BIOL 1181 Human Anatomy and Physiology I
- CHEM 1101 General Chemistry I
- CHEM 1105 Chemical Principles
- GEOL 1101 Physical Geology I
- GEOL 1102 Historical Geology
- PHYS 1001 General Physics I
- PHYS 1101 Introduction to Physics I
- PHYS 1105 Principles of Physics I
- SCIE 1100 Human Biology
- SCIE 1103 Science that Matters
- SCIE 1105 Environmental Science
- SCIE 1107 Geographic Information Systems
- SCIE 1115 Earth and Sky
- SCIE 1120 Introduction to Meteorology
- SCIE 1130 The Science of Disasters
- SCIE 1210 Science in the heart of Appalachia
- SCIE 1250 Life in The Cosmos
- SCIE 2200 Ocean Issues & Society

**Social Science with Critical Thinking (3 credits)**

- BSBA 2200 Economics
- BSBA 2211 Principles of Macroeconomics
- CRIM 1100 Introduction to Criminal Justice
- CRIM 2202 Principles of Criminal Law
- GEOG 2210 Introduction to Geography
- MANF 2205 Engineering Economy
- POLI 2200 Introduction to Political Science
- PSYC 1101 Introduction to Psychology
- SOCY 1110 Introductory Sociology
- SOCY 2205 Principles of Race, Class, and Gender
- TECH 1100 Technology and Society

**Citizenship (3 credits)**

- HIST 1107 US History I
- HIST 1108 US History II
- POLI 1100 American Government
- RECR 1141 Foundations of Outdoor Recreation

**Global Awareness, Fitness & Wellbeing, or Technology (2-3 credits)**

***Global Awareness***

- FREN 2202 Intermediate French II
- SPAN 2202 Intermediate Spanish II
- LANG 1110 Introduction to Global Perspectives
- POLI 2210 Principles of International Relations
- POLI 2220 Comparative Government

***Fitness & Wellbeing***

- CRIM 2212 Deviant Behavior
- CHEP 1100 Health Promotion
- CHEP 1110 Nutrition & Health Promotion
- HLTA 1100 Personal Health
- HLTA 1150 Introduction to Health
- HLTA 2203 Contemporary Drug and Behavior Issues
- NUTR 1110 Nutrition
- PHED 1100 Fitness and Wellness

***Technology***

- ART 2245 E. Foundations
- BISM 1200 Introduction to Computing
- CIVL 2210 Light Construction
- EDUC 2201 Instructional Technology
- MATH 1550 Applied Statistics
- MANF 2250 Total Quality & SPC
- MUSM 1100 Introduction to Museums
- TECH 1101 Introduction to Technology

## Core Policies

### Core Curriculum Credit Hours

Students must complete a *minimum of 30 hours* in the core curriculum program for bachelor's degrees. Students are responsible for all course pre-requisites.

### English Grade Requirements

Students must complete 6 hours of Written English (ENGL 1101 and ENG 1102 OR 1103) with a grade of "C" or higher as a graduation requirement for all degrees.

## Academic Programs

### Accounting, B.S.

The accounting curriculum has been designed to offer an integrated educational experience in the subdisciplines of financial accounting, managerial accounting, taxation, information systems, and auditing. The accounting degree provides students with traditional technical accounting skills, as well as expanded skills in analytical reasoning, problem solving, use of technology, and oral and written communication. Students are prepared to succeed in careers with public accounting firms, corporations, and non-profit organizations.

Individuals applying for licensure in West Virginia must have completed a total of 150 credit hours of post-secondary education and have received a bachelor's degree or higher from a college or university recognized by the West Virginia State Board of Accountancy. The total education program shall include an accounting concentration and business courses defined by the WVSBOA. The 150-

credit hour program is available through the College of Business and Aviation. Students wishing to become licensed Certified Public Accountants should meet with their advisor early in the program to structure course work in compliance with the WVSBOA requirements.

### Degree Requirements

#### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Business Core (33 Credit Hours)

\*Students planning to enter a graduate program in business are strongly encouraged to take MATH 1190 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a general studies requirement.

- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3



- MATH 1430 - College Algebra with Support Credit Hours: 4  
OR
- MATH 1530 - College Algebra Credit Hours: 3 \*  
OR
- Higher Math

#### Major Courses (42 Credit Hours)

- ACCT 2500 - Introduction to Financial Accounting Credit Hours: 3
- ACCT 2550 - Software Essentials Credit Hours: 3
- ACCT 3301 - Intermediate Accounting I Credit Hours: 3
- ACCT 3302 - Intermediate Accounting II Credit Hours: 3
- ACCT 3340 - Cost Accounting Credit Hours: 3
- ACCT 3350 - Accounting Information Systems Credit Hours: 3
- ACCT 4201 - Advanced Accounting I Credit Hours: 3
- ACCT 4202 - Advanced Accounting II Credit Hours: 3
- ACCT 4406 - Federal Income Tax Accounting: Individual Credit Hours: 3
- ACCT 4407 - Federal Income Tax Accounting: Partnership and Corporation Credit Hours: 3
- ACCT 4501 - Accounting Research and Communication I Credit Hours: 3
- ACCT 4502 - Accounting Research and Communication II Credit Hours: 3
- ACCT 4801 - Auditing I Credit Hours: 3
- ACCT 4802 - Auditing II Credit Hours: 3

Degree Total = 120 Credit Hours

#### Architecture, B.S.

The four-year Bachelor of Science in Architecture degree (B S Arch) provides a well-rounded education, and a foundational core of design, architectural history and theory, and building technology coursework as the first phase of a professional education for the general practice of architecture. Upper-level studios for this degree seek methodological, technological, and theoretical syntheses by working through a wide range of design inquiries and projects. The BS Arch degree further equips students with the fundamental knowledge and basic skills for entry-level positions in the profession, or the ability to pursue a professional graduate degree in architecture at Fairmont State or at other institutions.

#### NAAB Statement

##### Statement on NAAB Accredited Degrees

In the United States, most registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit professional degree programs in architecture offered by institutions with U.S. regional accreditation, recognizes three types of degrees: Bachelor of Architecture, Master of Architecture, and Doctor of Architecture. A program may be granted an eight-year term, an eight-year term with conditions, or a two-year term of continuing accreditation, or a three-year term of initial accreditation, depending on the extent of its conformance with established education standards. Doctor of Architecture and Master of Architecture degree programs may require a non-accredited undergraduate degree in architecture for admission. However, the non-accredited degree is not, by itself, recognized as an accredited degree. The NAAB grants candidacy status to new programs that have developed viable plans

for achieving initial accreditation. Candidacy status indicates that a program expects to achieve initial accreditation within six years of achieving candidacy, if its plan is properly implemented.

In order to meet the education requirement, set forth by the National Council of Architectural Registration Boards, an applicant for an NCARB Certificate must hold a professional degree in architecture from a program accredited by the NAAB; the degree must have been awarded not more than two years prior to initial accreditation. However, meeting the education requirement for the NCARB Certificate may not be equivalent to meeting the education requirement for registration in a specific jurisdiction. Please contact NCARB for more information.

Fairmont State University, Department of Architecture, Art & Design, was granted candidacy status for the following professional degree program in architecture:

- M.Arch. (preprofessional degree + 42 graduate credits)
- Year candidacy awarded: 2018
- Next visit: Continuation of Candidacy or Initial accreditation: 2022
- Projected year to achieve initial accreditation: 2022
- Earliest graduation date projected to meet NCARB education requirement: 2020

### **Degree Requirements**

#### **Core Curriculum (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program.

#### **Foundational Courses (18 Credit Hours)**

For students in this major, the following required courses (18 credit hours) are outside of the students major and satisfy both core curriculum and major requirements.

- ART 1120 - Art Appreciation Credit Hours: 3
- ENGL 1101 - Written English I Credit Hours: 3-4
- ENGL 1102 - Written English II Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHED 1100 - Fitness and Wellness Credit Hours: 2

#### **Major Courses (71 credit hours)**

- ARCH 1000 - Design Fundamentals I Credit Hours: 4
- ARCH 1050 - Design Fundamentals II Credit Hours: 4
- ARCH 2000 - Design I: Foundation Credit Hours: 4
- ARCH 2010 - Architectural History I Credit Hours: 3
- ARCH 2020 - Architectural History II Credit Hours: 3
- ARCH 2050 - Design II: Foundation Credit Hours: 4
- ARCH 2060 - Building Technology I Credit Hours: 4
- ARCH 3000 - Design III: Site Credit Hours: 6
- ARCH 3050 - Design IV: Urban Credit Hours: 6
- ARCH 4000 - Design V: Technology Credit Hours: 6
- ARCH 4030 - Mechanical and Electrical Systems Credit Hours: 4
- ARCH 4050 - Design VI: Build Credit Hours: 6
- ARCH 4060 - Building Technology II Credit Hours: 4

- CIVL 2290 - Introduction to Structures Credit Hours: 3
- MATH 1540 - Trigonometry Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4

Major Electives (24 Credit Hours)

Choose in consultation with advisor

- ARCH 3001 - Community Design Assistance Center Credit Hours: 3
- ARCH 3010 - Sustainable Design Credit Hours: 3
- ARCH 3080 - Architectural Practice Program I Credit Hours: 1-3
- ARCH 3085 - Architecture Study + Travel Credit Hours: 3
- ARCH 4001 - Community Design Assistance Center-Management Credit Hours: 3
- ARCH 4080 - Architectural Practice Program II Credit Hours: 1-3
- ART 1140 - Design I: 2D Credit Hours: 3
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3
- ART 2241 - Drawing II: Drawing from Life Credit Hours: 3
- ART 2245 - E. Foundations Credit Hours: 3
- ART 2261 - Painting I: Foundations of Painting Credit Hours: 3
- ART 2283 - Sculpture I: Foundations of Sculpture Credit Hours: 3
- ART 2284 - Sculpture II Credit Hours: 3
- ART 3341 - Printmaking I Credit Hours: 3
- ART 3342 - Printmaking II Credit Hours: 3
- ART 3345 - E. Intermediate Credit Hours: 3
- ART 3363 - Intermediate Water Media I Credit Hours: 3
- ART 3364 - Advanced Water Media II (3)
- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3
- ART 3384 - Pottery II Credit Hours: 2-3
- ART 4445 - E. Advanced Credit Hours: 3
- ART 4464 - Pottery III Credit Hours: 3
- ART 4465 - Sculpture III Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- CIVL 2200 - Introduction to Surveying Credit Hours: 3 [Instructor Permission]
- GRFX 1111 - Imaging I Foundations Credit Hours: 3
- GRFX 1113 - Multimedia Concepts Credit Hours: 3
- GRFX 1220 - Master Document / Design Credit Hours: 3
- GRFX 1222 - Internet Animation Credit Hours: 3
- GRFX 2121 - Graphic Design I Foundations Credit Hours: 3
- GRFX 2123 - Photography I Foundations Credit Hours: 3
- GRFX 2125 - History of Graphic Design Credit Hours: 3

- GRFX 2220 - Information Graphics  
Credit Hours: 3
- GRFX 2222 - Typography I  
Foundations Credit Hours: 3
- GRFX 3131 - Motion Graphics I  
Credit Hours: 3
- GRFX 3133 - Typography II  
Branding & Identity Design Credit  
Hours: 3
- GRFX 3230 - Interactive and  
Multimedia Design Credit Hours: 3

Degree Total = 126 Credit Hours

## Art Grades Pre-K - Adult Teaching Specialization, B.A.

### Degree Requirements

#### Core Curriculum (23-24 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses will satisfy both major and core curriculum requirements: ENGL 1102, ART 1120, EDUC 2201

#### Professional Education Requirements (49 Credit Hours)

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to  
Education Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional  
Technology Credit Hours: 3
- EDUC 2203 - Human Development,  
Learning & Teaching Credit Hours:  
3
- EDUC 2240 - High Incidence  
Disabilities for Educators Credit  
Hours: 3

- EDUC 2241 - Field Experience 2:  
The Learner and Learning  
Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the  
Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4:  
Disciplinary Literacy and  
Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom  
Practices for Individual Differences  
Credit Hours: 3
- EDUC 4480 - Teacher Performance  
Assessment Seminar Credit Hours:  
2
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10

#### Major Courses (52 Credit Hours)

- ART 1120 - Art Appreciation Credit  
Hours: 3
- ART 1140 - Design I: 2D Credit  
Hours: 3
- ART 1141 - Design II: 3D Credit  
Hours: 3
- ART 1142 - Drawing I: Foundations  
of Drawing Credit Hours: 3
- ART 2241 - Drawing II: Drawing  
from Life Credit Hours: 3
- ART 2245 - E. Foundations Credit  
Hours: 3
- ART 2261 - Painting I: Foundations  
of Painting Credit Hours: 3
- ART 2283 - Sculpture I:  
Foundations of Sculpture Credit  
Hours: 3

- ART 3341 - Printmaking I Credit Hours: 3
- ART 3360 - Early and Middle Methods and Materials Credit Hours: 4
- ART 3363 - Intermediate Water Media I Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3
- ART 4431 - Methods and Materials in Teaching Art Credit Hours: 3

**Major Art Electives (9 Credit Hours)**

Select 9 credit hours from the following:

- ART 2262 - Painting II: Intermediate Painting Credit Hours: 3
- ART 2284 - Sculpture II Credit Hours: 3
- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3384 - Pottery II Credit Hours: 2-3
- ART 4463 - Advanced Painting Concepts Credit Hours: 3
- ART 4464 - Pottery III Credit Hours: 3
- ART 4465 - Sculpture III Credit Hours: 3
- ART 4467 - Area Studies I Credit Hours: 3

Degree Total = 120 Credit Hours

**Art History Minor (18 Credit Hours)**

Required Courses (6 Credit Hours)

- ART 1140 - Design I: 2D Credit Hours: 3

- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3

Select (12 Credit Hours)

- ART 2230 - Gallery Management Credit Hours: 3
- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3

**Art Minor (18 Credit Hours)**

Choose Six Hours of Art History Courses

- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3

Choose 12 Hours of Studio Work Courses

(Pre-Requisite Required) for Upper Level Studio Courses.

Foundation Course choices:

- ART 1140 - Design I: 2D Credit Hours: 3
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3
- ART 2245 - E. Foundations Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3 (3 Credits Required)

## Automation and Robotics Minor (24 Credit Hours)

### Required Courses (24 Credit Hours)

Required Courses for Electronics Engineering Technology Majors pursuing this Minor (24 hours)

NOTE: The Automation and Robotics Minor is being offered primarily to those students majoring in Computer Science, Electronics Engineering Technology, or Mechanical Engineering Technology. For these three majors, students will need 24-29 additional hours of courses. For individual students outside of these majors, an estimated 49 hours of courses will be required.

- COMP 1120 - Principles of Programming I Credit Hours: 3
- COMP 1130 - Principles of Programming II Credit Hours: 4
- COMP 2201 - Machine Organization Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- MECH 2240 - Machine Design I Credit Hours: 3
- MECH 3320 - Dynamics Credit Hours: 3
- TECH 4450 - Automation and Robotics Credit Hours: 3

## Aviation Administration; Aviation Management Concentration, B.S.

This option prepares the student for employment in administrative areas with companies in and related to the aviation industry. Typical positions include airport manager, flight dispatcher, flight scheduler, crew coordinator, air cargo

administration, aviation marketing, air traffic controller, and online management. A Flight Option is available within this degree; see here.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Aviation Core (64 Credit Hours)

- AVMA 1100 - Introduction to Aviation Credit Hours: 3
- AVMA 1102 - Introduction to Air Traffic Control Credit Hours: 3
- AVMA 2206 - Aviation Security Credit Hours: 3
- AVMA 2210 - Aviation Meteorology Credit Hours: 3
- AVMA 2211 - Airport Management Credit Hours: 3
- AVMA 2213 - Airport Planning and Development Credit Hours: 3
- AVMA 3301 - Aviation History Credit Hours: 3
- AVMA 3302 - Aviation Law Credit Hours: 3
- AVMA 3303 - Airline Operations Credit Hours: 3
- AVMA 3304 - Aviation Maintenance Management Credit Hours: 3
- AVMA 3305 - General Aviation Operations Credit Hours: 3
- AVMA 3307 - Aviation Safety Credit Hours: 3
- AVMA 4402 - Fiscal Aspects of Aviation Management Credit Hours: 3
- BISM 1200 - Introduction to Computing Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3

- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3
- PHYS 1104 - Introduction to Physics for Aviation Credit Hours: 4

#### Aviation Management Concentration (12 Credit Hours)

- MGMT 3500 - Project Management Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- AVMA 4401 - Aviation Industry Research and Analysis Credit Hours: 3
- AVMA 4403 - Aviation Project Credit Hours: 1-4

#### Free Electives (16 credit hours)

Students must complete 16-credit hours of "free" electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### **Aviation Administration; Professional Flight Concentration, B.S.**

The Professional Flight option at Fairmont State University is one of the two program options offered at the Aviation Center of Excellence. Students admitted to this selective program have the opportunity to gain a Bachelor of Science degree in Aviation with a Professional Flight Concentration while simultaneously completing the flight hours and training

required to obtain their private, instrument, and commercial ratings.

Flight fees for students to obtain their private, commercial, or instrument license must be paid during the semester in which you enroll in the class.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Aviation Core (64 Credit Hours)

- AVMA 1100 - Introduction to Aviation Credit Hours: 3
- AVMA 1102 - Introduction to Air Traffic Control Credit Hours: 3
- AVMA 2206 - Aviation Security Credit Hours: 3
- AVMA 2210 - Aviation Meteorology Credit Hours: 3
- AVMA 2211 - Airport Management Credit Hours: 3
- AVMA 2213 - Airport Planning and Development Credit Hours: 3
- AVMA 3301 - Aviation History Credit Hours: 3
- AVMA 3302 - Aviation Law Credit Hours: 3
- AVMA 3303 - Airline Operations Credit Hours: 3
- AVMA 3304 - Aviation Maintenance Management Credit Hours: 3
- AVMA 3305 - General Aviation Operations Credit Hours: 3
- AVMA 3307 - Aviation Safety Credit Hours: 3
- AVMA 4402 - Fiscal Aspects of Aviation Management Credit Hours: 3
- BISM 1200 - Introduction to Computing Credit Hours: 3

- BSBA 2204 - Principles of Marketing  
Credit Hours: 3
- BSBA 2209 - Principles of Management  
Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting  
Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics.  
Credit Hours: 3
- MGMT 3390 - Organizational Behavior  
Credit Hours: 3
- MATH 1530 - College Algebra  
Credit Hours: 3
- PHYS 1104 - Introduction to Physics for Aviation  
Credit Hours: 4

#### Professional Flight Concentration (21 Credit Hours)

- AVMA 1101 - Private Pilot Technology  
Credit Hours: 3
- AVMA 1103 - Private Pilot Technology Flight Lab  
Credit Hours: 3
- AVMA 2201 - Instrument Pilot Technology  
Credit Hours: 3
- AVMA 2204 - Instrument Pilot Technology Flight Lab  
Credit Hours: 3
- AVMA 3300 - Commercial Pilot Technology  
Credit Hours: 3
- AVMA 3306 - Commercial Pilot Technology Flight Lab  
Credit Hours: 3

#### Free Electives (7 credit hours)

Students must complete 33 free credit hours of electives to complete the degree requirements

Degree Total = 120 Credit Hours

### Basic Training in Law Enforcement Certificate Program

#### Description

Graduates of the program will meet all training requirements for certification as a West Virginia Law Enforcement officer. Job opportunities will include local law enforcement agencies and statewide law enforcement agencies. In addition, other states and federal agencies may also accept graduation from a law enforcement training program as meeting full or partial requirements for certification in their respective locations.

#### Admission Requirements

All applicants will be required to complete a formal application including an interview and advisor recommendation. Applicants must also satisfactorily complete a selection process that includes a criminal history background check, a complete medical examination including a drug screen, and pass a physical fitness test for admission into the program.

Fairmont State students will be required to complete the required curriculum for B.S. in Criminal Justice - Policy Academy Concentration OR the Police Academy Minor.

Non-degree seeking students must be admitted to Fairmont State and to the Academy and will be required to complete the Law Enforcement Training Academy curriculum as determined by Academy officials.

#### Certificate Completion Expectations

The Academy is an intensive 16-week program that will require full instructional days as well as most evenings Monday through Friday. Students must be prepared to dedicate themselves to the program and understand that time will not exist for work or social activities other than weekends. Residence in campus housing (Academy



Barracks) will be required during the program or a portion thereof. Attendance issues will result in dismissal from the program.

#### **Required Courses (15 Credit Hours)**

Criminal Justice Students majors may earn this certificate through completion of the Academy Concentration of the Criminal Justice B.S. curriculum and the Law Enforcement Training Academy curriculum as determined by Academy officials. Criminal Justice students will earn 15 hours college credit hours during the Academy through Crim 4411A-Internship (12 hours) and Crim 4401A- Independent Study (3 hours).

- CRIM 4401A - Academy Independent Study Credit Hours: 3
- CRIM 4411A - Academy Internship Credit Hours: 12

#### **Biology Grades 9-Adult Specialization, B.A.**

The Bachelor of Arts Degree in Education with a Specialization in Biology at Fairmont State is designed to provide students with the background essential for successfully teaching of biology in grades 9 through adult. Students complete professional education, major-specific biology coursework, and clinical experiences.

All major courses must be completed prior to admission to Secondary Student Teaching/Clinical III.

#### **Academic Requirements**

In addition to meeting the graduation requirements listed for the B.S. in Biology or B.A. in Education degree, students must also:

1. obtain a grade of "C" or better in BIOL 1105, BIOL 1106, BIOL 2202, and BIOL 2203
2. successfully complete an assessment exam during their final year (This exam is given every spring semester.)

#### **Degree Requirements**

##### **Core Curriculum (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- EDUC 2201 - Instructional Technology Credit Hours: 3
- ENGL 1102 - Written English II Credit Hours: 3
- BIOL 1105 - Biological Principles I Credit Hours: 4
- MATH 1540 - Trigonometry Credit Hours: 3

##### **Professional Education Courses (49 Credit Hours)**

- ENGL 1102 - Written English II Credit Hours: 3
- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2200L - Field Experience I Credit Hours: 0
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment Credit Hours: 1

- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the  
Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4:  
Disciplinary Literacy and  
Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom  
Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10
- EDUC 4480 - Teacher Performance  
Assessment Seminar Credit Hours:  
2
- GEOL 1102 - Historical Geology  
Credit Hours: 4
- MATH 1540 - Trigonometry Credit  
Hours: 3  
OR
- MATH 1520 - Applied Technical  
Mathematics II Credit Hours: 3
- PHYS 1001 - General Physics I  
Credit Hours: 4  
OR
- PHYS 1101 - Introduction to Physics  
I Credit Hours: 4
- PHSC 4430 - Science Integration  
Seminar Credit Hours: 1
- PHSC 4431 - Methods and  
Materials in Teaching Science  
Credit Hours: 3
- SCIE 1120 - Introduction to  
Meteorology Credit Hours: 4

Degree Total = 120 Credit Hours

### **Biology Minor (24 CREDIT HOURS)**

Required Courses (16 Credit Hours)

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- BIOL 1106 - Biological Principles II  
Credit Hours: 4
- BIOL 2202 - General Botany Credit  
Hours: 4
- BIOL 2203 - General Zoology Credit  
Hours: 4

Electives (8 Credit Hours)

Students may choose from any biology course of level 1199 or higher.

### **Biology, B.S.**

Biology, the study of life, is a wide-ranging and rapidly growing discipline. Understanding biology requires a working knowledge of all the sciences, especially chemistry and mathematics. The biology

### **Major Courses (52 Credit Hours)**

All courses in the specialization and the Praxis II Exam must be completed prior to admission to Secondary Student Teaching.

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- BIOL 1106 - Biological Principles II  
Credit Hours: 4
- BIOL 2202 - General Botany Credit  
Hours: 4
- BIOL 2203 - General Zoology Credit  
Hours: 4
- BIOL 3306 - Fundamentals of  
Ecology Credit Hours: 4
- BIOL 3380 - Genetics Credit Hours:  
4
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- CHEM 2200 - Foundational  
Biochemistry Credit Hours: 4

program at Fairmont State strives to provide students with a broad-based education in all fields of biology as well as a fundamental knowledge of chemistry and mathematics. Students are required to complete basic courses in biology designed to provide a comprehensive understanding of living organisms. Electives allow students the flexibility to gain additional knowledge in an area of interest. No minor is required for biology majors.

A four-year B.S. degree in biology will prepare students to compete for entry level jobs such as lab technician, wildlife biologist, research scientist or naturalist, among others. While a bachelor's degree in biology will help students get a job, many careers require additional education beyond the B.S. degree. Many of our best students compete successfully for admission to graduate study at institutions across the country. A biology degree will also provide preprofessional training required by fields such as dentistry, medicine, pharmacy, and veterinary medicine.

Students who major in biology select one of the following degree programs:

1. the B.S. in Biology degree as preparation for employment, professional school or graduate study
2. the B.S. in Biology degree with an emphasis in biotechnology as preparation for employment, professional school, or graduate study
3. the B.A. in Education degree with a specialization in biology, as preparation for teaching biology in grades 9-Adult. All courses must be completed prior to admission to

Secondary Student  
Teaching/Clinical III.

In addition to meeting the graduation requirements listed for the B.S. in Biology or B.A. in Education degree, students must also:

1. obtain a grade of "C" or better in BIOL 1105, BIOL 1106, BIOL 2202, and BIOL 2203
2. successfully complete an assessment exam during their final year (This exam is given every spring semester.)

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (55 Credit Hours)

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- BIOL 1106 - Biological Principles II  
Credit Hours: 4
- BIOL 2202 - General Botany Credit  
Hours: 4
- BIOL 2203 - General Zoology Credit  
Hours: 4
- BIOL 3306 - Fundamentals of  
Ecology Credit Hours: 4
- BIOL 3368 - Animal Physiology  
Credit Hours: 4  
OR
- BIOL 3370 - Plant Physiology Credit  
Hours: 4
- BIOL 3380 - Genetics Credit Hours:  
4
- BIOL 3390 - Molecular  
Biotechnology Credit Hours: 4
- BIOL 4485 - Senior Seminar Credit  
Hours: 2

- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- CHEM 2200 - Foundational  
Biochemistry Credit Hours: 4
- CHEM 2201 - Organic Chemistry I  
Credit Hours: 4
- CHEM 2202 - Organic Chemistry II  
Credit Hours: 4
- MATH 2501 - Calculus I Credit  
Hours: 4

#### Major Electives (12 Credit Hours)

- BIOL 2224 - Microbiology Credit  
Hours: 4
- BIOL 3301 - Advanced Human  
Anatomy and Physiology I Credit  
Hours: 4
- BIOL 3302 - Advanced Human  
Anatomy and Physiology II Credit  
Hours: 4
- BIOL 3312 - Advanced Botany I  
Credit Hours: 4
- BIOL 3315 - Invertebrate Zoology  
Credit Hours: 4
- BIOL 3316 - Vertebrate Zoology  
Credit Hours: 4
- BIOL 3330 - Aquatic Ecology Credit  
Hours: 4
- BIOL 3331 - Terrestrial Ecology  
Credit Hours: 4
- BIOL 3360 - Biochemistry Credit  
Hours: 4
- BIOL 3395 - Cell Biology Credit  
Hours: 4
- BIOL 4420 - Developmental Biology  
Credit Hours: 4

#### Free Electives (27 Credit Hours)

Students must complete 27 credit hours of electives to complete degree requirements.

Degree Total = 120 Credit Hours

## Business Administration Minor (21 Credit Hours)

This minor is available to NON-BUSINESS majors only.

#### Minor Courses

- BSBA 2200 - Economics Credit  
Hours: 3
- BSBA 2209 - Principles of  
Management Credit Hours: 3
- BSBA 2204 - Principles of Marketing  
Credit Hours: 3
- BSBA 2220 - Fundamentals of  
Accounting Credit Hours: 3
- BSBA 2221 - Introduction to  
Financial Management Credit  
Hours: 3
- BSBA 3306 - Business Law I Credit  
Hours: 3
- MGMT 3350 - Small Business  
Management Credit Hours: 3

## Business Administration, B.S.

The Bachelors of Science in Business Administration, Business concentration is designed to give students a fundamental understanding of the substance and context of business in a world that is continually changing. Students are exposed to a diversified background in the various disciplines necessary for achieving success in the business arena. This concentration is flexible so that students may tailor their programs to particular interests. It gives students a fundamental understanding of the substance and context of business in a highly competitive and dynamic environment. Graduates are prepared to secure positions in insurance companies, banks, retail businesses, personnel and human resource departments, government services, and/or manage their own businesses.

## Degree Requirements

### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses (9-credit hours) satisfies both core curriculum and major requirements:

- BSBA 2211
- BISM 1200
- MATH 1530

### Business Core Courses (45 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3

- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3  
OR Higher Math\*  
\* Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.

### Business Concentration (18 Credit Hours)

This Business concentration is flexible so that students may tailor their programs to their interests and professional goals. With guidance from a faculty advisor and approval by the Dean of the College of Business and Aviation, students will determine a program of 18 credit hours of 3000 or 4000 level business courses that will fulfill their needs and objectives.

- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3307 - Business Law II Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 3322 - Managing Business in Europe Credit Hours: 3
- BSBA 3325 - Women and Work Credit Hours: 3
- BSBA 3330 - Leadership Credit Hours: 3
- BSBA 3399 - Special Topics in Business Credit Hours: 1-6
- BSBA 4408 - Business and Economics Field Studies Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3

- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- BSBA 4440 - Hospitality Management Internship Credit Hours: 3
- BSBA 4450 - Business Internship Credit Hours: 3-6
- BSBA 4998 - Undergraduate Research Credit Hours: 0-6

#### Free Electives (33 Credit Hours)

Students must complete 33 credit hours of electives to complete degree requirements.

Note: Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Degree Total = 120 Credit Hours

### **Business Administration, Economics Concentration, B.S.**

The Bachelors of Science in Business Administration with concentration in Economics prepares the graduates for careers in many areas including public policy and finance. This degree can be used to study industry trends, labor markets, the prospects for individual companies, and the factors that drive the economy. This degree program attracts analytical students with interest in the economy, how society allocates resources, the impact of investments, public policy, and demographics.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3  
or Higher Math\*

\*\* Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.

### Economics Concentration (12 Credit Hours)

- ECON 3350 - Managerial Economics Credit Hours: 3
- ECON 3340 - Public Economics Credit Hours: 3
- ECON 3310 - Intermediate Macroeconomics Credit Hours: 3
- ECON 4410 - Game Theory Credit Hours: 3

### Elective Courses (9 Credit Hours)

Students must complete 9 credit hours electives to from list below

- FINC 3307 - Personal Finance Credit Hours: 3
- FINC 3384 - Bank Management Credit Hours: 3
- POLI 3302 - State and Local Government Credit Hours: 3
- GEOG 3305 - Economic Geography Credit Hours: 3
- GEOG 3315 - Urban Geography Credit Hours: 3

### Free Electives (18-21 Credit Hours)

Degree Total = 120 Credit Hours

## **Business Administration, Finance Concentration, B.S.**

The Bachelors of Science in Business Administration Concentration in Finance is designed to prepare students for a career path in the financial services industries, as well as for careers in corporate finance functions. Students are exposed to the concepts of financial analysis and financial decision making and their application. Students completing the B.S. in Business Administration degree with a concentration in finance will be able to compete with graduates of most colleges and universities for positions as account

managers, bankers, credit directors, equity traders, sales managers, risk managers and financial managers.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3

- **MATH 1530 - College Algebra**  
**Credit Hours: 3**  
OR Higher Math\*  
\*\* Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.

#### Finance Concentration (21 Credit Hours)

- **BSBA 3307 - Business Law II** Credit Hours: 3
- **FINC 3307 - Personal Finance** Credit Hours: 3
- **FINC 3350 - Investments** Credit Hours: 3
- **FINC 3384 - Bank Management** Credit Hours: 3
- **FINC 3385 - Analyzing Financial Statements** Credit Hours: 3
- **FINC 4410 - Managerial Finance** Credit Hours: 3
- **FINC 4412 - PC Applications for Managerial Finance** Credit Hours: 3

#### Free Electives (18-21 Credit Hours)

Degree Total = 120 Credit Hours

### **Business Administration, Management Concentration, B.S.**

The B.S. in Business Administration Management Concentration fosters the notion that every organization needs a leader, who is competent and able to make effective decisions concerning organizational resources, goals, and plans. This program is intended to give students the skills necessary to design, operate, and control business systems and procedures. Coursework is geared toward building student understanding of the social, legal, environmental, technological,

organizational and international context within which American businesses operate. The numerous management electives allow students to emphasize human resource or business management.

Graduates typically enter an organization in various capacities and eventually move up to middle and top management positions with increasing responsibility. Some of the industries which typically hire graduates with a concentration in management include agriculture, forestry, mining and construction industries, manufacturing industries, transportation, communications and utilities, wholesale and retail trade businesses, state, local and federal governmental units.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Business Core Courses (48 Credit Hours)

- **BISM 1200 - Introduction to Computing** Credit Hours: 3
- **BISM 1500 - Business Information Tools** Credit Hours: 3
- **BISM 2000 - Management Information Systems** Credit Hours: 3
- **BSBA 2800 - Business Communications in a Digital Age** Credit Hours: 3
- **BSBA 2204 - Principles of Marketing** Credit Hours: 3
- **BSBA 2209 - Principles of Management** Credit Hours: 3
- **BSBA 2211 - Principles of Macroeconomics** Credit Hours: 3
- **BSBA 2212 - Principles of Microeconomics** Credit Hours: 3
- **BSBA 2220 - Fundamentals of Accounting** Credit Hours: 3



- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
  - BSBA 3306 - Business Law I Credit Hours: 3
  - BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
  - BSBA 3320 - International Business Credit Hours: 3
  - BSBA 4415 - Strategic Management and Policy Credit Hours: 3
  - BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
  - MATH 1530 - College Algebra Credit Hours: 3  
OR Higher Math\*
- \*Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.
- BSBA 3307 - Business Law II Credit Hours: 3
  - ECON 3350 - Managerial Economics Credit Hours: 3
  - MGMT 3350 - Small Business Management Credit Hours: 3
  - MGMT 3371 - Employee Relations Credit Hours: 3
  - MGMT 3372 - Human Resource Selection and Evaluation Credit Hours: 3
  - MGMT 3500 - Project Management Credit Hours: 3
  - MKTG 3305 - Supply Chain Management Credit Hours: 3
  - MGMT 4400 - Organizational Theory and Design Credit Hours: 3

#### Free Electives (18-21 Credit Hours)

Students must complete 24 credit hours of electives to complete degree requirements.

#### Management Concentration (15 Credit Hours)

- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- MGMT 4402 - Organizational Change and Development Credit Hours: 3
- MGMT 4405 - Operations Management Credit Hours: 3  
OR
- MGMT 4409 - Quantitative Management Credit Hours: 3
- BSBA 3330 - Leadership Credit Hours: 3

#### Concentration Electives (6 Credit Hours)

Select 6 hours from the following list:

- BSBA 3399 - Special Topics in Business Credit Hours: 1-6

Degree Total = 120 Credit Hours

### **Business Administration, Marketing Concentration, B.S.**

The Bachelors of Science in Business Administration - Marketing Concentration is designed to develop graduates who possess a strong foundation for many career choices, by offering courses in marketing management, advertising, salesmanship, marketing research, consumer behavior, and supply chain management and new product decisions. The program integrates the marketing training with other relevant disciplines (accounting, management, finance, and economics) to assure that students have the combination of skills that meet management requirements for today's marketing activities. Students completing the B.S. in Business Administration with a

concentration in marketing will be able to compete with graduates of most colleges and universities for positions as account supervisors, creative directors, advertising and sales managers, circulation managers, fundraising consultants, marketing directors, marketing program managers, brand managers and product managers.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3

- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3  
OR Higher Math\*  
\* Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.

#### Marketing Concentration (6 Credit Hours)

##### Required Courses

- MKTG 3340 - Marketing Research Credit Hours: 3
- MKTG 4450 - Marketing Management Credit Hours: 3

#### Concentration Electives (12 Credit Hours)

Select 4 courses below

- MKTG 3400 - Selling and Sales Management Credit Hours: 3
- MKTG 3305 - Supply Chain Management Credit Hours: 3
- MKTG 3310 - Consumer Behavior Credit Hours: 3
- MKTG 3320 - Advertising and Sales Promotion Credit Hours: 3
- MKTG 3500 - New Product Decisions Credit Hours: 3

#### Free Electives (21-24 Credit Hours)

Students must complete 24 credit hours of electives to complete degree requirements.

Degree Total = 120 Credit Hours

## Business Administration; Data Analytics Concentration, B.S.

### Core Curriculum Courses

- BSBA 1100 - Business Onboarding Course Credit Hours: 3  
\*Recommended to satisfy Core Curriculum #1 First Year Seminar
- BISM 1200 - Introduction to Computing Credit Hours: 3  
\*Satisfies Core Curriculum #11 Personal Development
- MATH 1530 - College Algebra Credit Hours: 3  
\*satisfies Core Curriculum #5 Basic Skills
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3  
\*Satisfies Core Curriculum #9 Social Science

### Required Major Courses (48 Credit Hours)

- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 3320 - International Business Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3

- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3

### Major Elective Courses- Concentration Requirements (18 Credit Hours)

- BISM 3000 - Business Programming Logic Credit Hours: 3
- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- BISM 3400 - Database Design and Development Credit Hours: 3
- BISM 4300 - Business Intelligence Credit Hours: 3
- MGMT 4409 - Quantitative Management Credit Hours: 3
- BISM 4998 - Undergraduate Research Credit Hours: 0-6

Total Credit Hours= 120

## Chemistry Grades 9-Adult Specialization, B.A.

The Bachelor of Arts in Education with a Specialization in Chemistry equips the graduate to teach chemistry in any secondary school or to pursue graduate studies in science education.

\*Choosing higher-credit hour alternatives in the chemistry curriculum reduces the minimum number of free elective credit hours required to reach 128 credit hours.

## Degree Requirements

### Core Curriculum (19 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements: ENGL 1102 CHEM 1105 EDUC 2201

### Professional Education (49 Credit Hours)

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to Education  
Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional Technology  
Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching  
Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators  
Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment  
Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas  
Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment  
Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment  
Credit Hours: 5

- EDUC 3351 - Inclusive Classroom Practices for Individual Differences  
Credit Hours: 3
- EDUC 4480 - Teacher Performance Assessment Seminar  
Credit Hours: 2
- EDUC 4483 - Residency 2: Student Teaching for Secondary  
Credit Hours: 10

### Major Courses (48-50 Credit Hours)

Students who do not meet the prerequisites for MATH 2501 will be required to take MATH 1430 and/or MATH 1530.

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- CHEM 2200 - Foundational Biochemistry  
Credit Hours: 4
- CHEM 2201 - Organic Chemistry I  
Credit Hours: 4
- CHEM 3301 - Physical Chemistry I  
Credit Hours: 4
- CHEM 3304 - Inorganic Chemistry  
Credit Hours: 4
- GEOL 1101 - Physical Geology  
Credit Hours: 4
- MATH 1540 - Trigonometry  
Credit Hours: 3
- MATH 2501 - Calculus I  
Credit Hours: 4
- PHSC 4430 - Science Integration Seminar  
Credit Hours: 1
- PHSC 4431 - Methods and Materials in Teaching Science  
Credit Hours: 3
- PHYS 1101 - Introduction to Physics I  
Credit Hours: 4  
AND
- PHYS 1102 - Introduction to Physics II  
Credit Hours: 4  
OR
- PHYS 1105 - Principles of Physics I  
Credit Hours: 5

AND

- PHYS 1106 - Principles of Physics II  
Credit Hours: 5

#### Free Electives (4 Hours)

Any course.

Degree Total = 120 Credit Hours

### Chemistry Minor (21 Credit Hours)

#### Minor Courses (9 Credit Hours)

- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- CHEM 2200 - Foundational  
Biochemistry Credit Hours: 4

#### Minor Electives (12 Credit Hours)

Any three additional courses with CHEM prefix except CHEM 1101 and CHEM 1102.

### Chemistry, B.S.

The mission of the Chemistry Program at Fairmont State is to help students learn chemistry, and how chemistry connects to mathematics, biology, physics, and other professional fields. We expect and encourage our students to develop the analytical, experimental, computer and problem-solving skills necessary to successfully pursue chemistry and other science-based careers. The program strives to foster excellent oral and written communication skills, and is approved by the American Chemical Society. With small class sizes, innovative teaching approaches, and hands-on access to modern, research-quality instrumentation, students can develop the analytical, problem-solving and teamwork skills necessary to successfully pursue science-based careers. A student completing the

B.S. degree with a major in chemistry will be competitive for graduate study in chemistry or chemical engineering, laboratory positions in the chemical industry, pharmaceutical industry or government agencies, or application to law school. By electing a few additional biology classes, students completing a B.S. degree in chemistry will be prepared for application to a variety of professional and graduate schools, including medical school, dental school, veterinary school, pharmacy school, physical therapy programs, toxicology, pharmaceutical science and forensic science graduate programs.

Programs available for students who wish to specialize in chemistry include:

1. The B.S. in Chemistry is certified by the American Chemical Society and provides a well-balanced program of courses in the major fields of chemistry, as well as mathematics and physics. A student completing this program will be a competitive candidate for graduate study or positions in industry or government agencies.
2. The B.A. in Education with a Specialization in Chemistry equips the graduate to teach chemistry in any secondary school or to pursue graduate studies in science education.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

Note: Students with ACT Math less than 21 will need an extra year to take developmental or other

prerequisite Math courses and CHEM 1101.

Note: Students with ACT Math higher than 22 should start in the first semester with the highest math course they can place into, which may be Trigonometry (ACT MATH 23), or Calculus I (ACT Math 25). This will preserve more options for minors and possible double majors.

Note: Math ACT requirements may be satisfied by Placement Testing score equivalents.

#### Major Courses (57-59 Credit Hours)

Choosing higher-credit hour alternatives in the major curriculum reduces the minimum number of free elective credit hours required to reach 120 credit hours.

\*\* Students who do not meet the prerequisites for MATH 2501 will be required to take MATH 1430 or MATH 1530 and/or MATH 1540.

- BIOL 3360 - Biochemistry Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- CHEM 2200 - Foundational Biochemistry Credit Hours: 4
- CHEM 2201 - Organic Chemistry I Credit Hours: 4
- CHEM 2202 - Organic Chemistry II Credit Hours: 4
- CHEM 2205 - Analytical Chemistry Credit Hours: 4
- CHEM 3315 - Instrumental Analysis Credit Hours: 4
- CHEM 3301 - Physical Chemistry I Credit Hours: 4
- CHEM 3304 - Inorganic Chemistry Credit Hours: 4
- CHEM 4404 - Synthetic Methods and Materials Credit Hours: 4

- CHEM 4412 - Physical Chemistry II Credit Hours: 4
- MATH 2501 - Calculus I Credit Hours: 4 \*\*
- MATH 2502 - Calculus II Credit Hours: 4
- PHYS 1101 - Introduction to Physics I Credit Hours: 4 \*  
OR
- PHYS 1105 - Principles of Physics I Credit Hours: 5 \*
- PHYS 1102 - Introduction to Physics II Credit Hours: 4  
OR
- PHYS 1106 - Principles of Physics II Credit Hours: 5 \*

Degree Total = 120 Credit Hours

### Civil Engineering Technology, A.S.

The Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. The Civil Engineering Technology program at Fairmont State prepares graduates to participate in the planning, analysis, design, construction, operation and maintenance of roadways, airports, tunnels, bridges, water supply and distribution systems, waste collection and treatment systems. The curriculum is a highly flexible 2 + 2 design; once the two-year associate's degree is earned, graduates may choose to enter the workforce or continue their education with two more years at the baccalaureate level.

#### **ASSOCIATE OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY (ETAC of ABET Accredited): 60 CREDIT HOURS**

The Associate of Science degree in Civil Engineering Technology provides technical courses in the fundamentals of engineering, surveying, construction

materials and methods, computer graphics, civil engineering graphics, construction estimating, structures, and environmental engineering technology. Most of the technical courses provide a combination of lecture and laboratory experiences. In addition, technical courses are underpinned with instruction in mathematics and science, written and oral communication skills, and economics, which are utilized subsequently in the technical courses. Graduates with the Associate of Science degree are qualified for entry-level technical positions in construction, surveying, engineering and architectural firms; local, state and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry.

### Degree Requirements

#### Core Curriculum (19 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Minor Courses (41 Credit Hours)

- CHEM 1101 - General Chemistry Credit Hours: 4
- CIVL 1100 - Introduction to Civil Engineering Technology Credit Hours: 1
- CIVL 2200 - Introduction to Surveying Credit Hours: 3
- CIVL 2210 - Light Construction Credit Hours: 3
- CIVL 2220 - Construction Materials and Methods Credit Hours: 4
- CIVL 2230 - Construction Estimating Credit Hours: 3
- CIVL 2240 - Construction, Land and Route Surveying Credit Hours: 3
- CIVL 2275 - Civil Engineering Graphics Credit Hours: 3

- CIVL 2280 - Environmental Engineering Technology I Credit Hours: 3
- CIVL 2290 - Introduction to Structures Credit Hours: 3
- TECH 1108 - Engineering Graphics I Credit Hours: 3
- MATH 1510 - Applied Technical Mathematics I Credit Hours: 3
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- TECH 2290 - Engineering Analysis I Credit Hours: 4

Degree Total = 60 Credit Hours

### Civil Engineering Technology, B.S.

The Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. The Civil Engineering Technology program at Fairmont State prepares graduates to participate in the planning, analysis, design, construction, operation and maintenance of roadways, airports, tunnels, bridges, water supply and distribution systems, waste collection and treatment systems. The curriculum is a highly flexible 2 + 2 design; once the two-year associate's degree is earned, graduates may choose to enter the workforce or continue their education with two more years at the baccalaureate level.

The B.S.E.T. degree provides students with a greater emphasis on analysis and design with specialized classes in hydraulics and hydrology, soil mechanics and foundation design, structural analysis and design, water and wastewater systems and construction management, coupled with

additional courses in science and mathematics, communication, social science and humanities.

Graduates with the Bachelor of Science degree are qualified for an entry-level position as a Civil Engineering Technologist in construction, surveying, engineering, and architectural firms; local, state, and national government, environmental and public health agencies; state departments of transportation and highways; and private business industry. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- CHEM 1101 - General Chemistry Credit Hours: 4
- MATH 1410 - Applied Mathematics I-Enhanced Credit Hours: 4
- ENGL 1101 - Written English I Credit Hours: 3-4
- SOAR 1100 - First Year Seminar Credit Hours: 1
- MANF 2205 - Engineering Economy Credit Hours: 3
- COMM 2202 - Introduction to Communication in the World of Work Credit Hours: 3
- ENGL 1103 - Technical Report Writing Credit Hours: 3

#### Pre-Major Courses (28 Credit Hours)

- TECH 1108 - Engineering Graphics I Credit Hours: 3
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- TECH 3300 - Engineering Analysis II Credit Hours: 4
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- MECH 3320 - Dynamics Credit Hours: 3
- CHEM 1102 - General Chemistry II Credit Hours: 4

#### Major Courses (54 Credit Hours)

- CIVL 2200 - Introduction to Surveying Credit Hours: 3
- CIVL 2210 - Light Construction Credit Hours: 3
- CIVL 2220 - Construction Materials and Methods Credit Hours: 4
- CIVL 2230 - Construction Estimating Credit Hours: 3
- CIVL 2240 - Construction, Land and Route Surveying Credit Hours: 3
- CIVL 2275 - Civil Engineering Graphics Credit Hours: 3
- CIVL 2280 - Environmental Engineering Technology I Credit Hours: 3
- CIVL 2290 - Introduction to Structures Credit Hours: 3
- CIVL 3305 - Hydraulics and Hydrology Credit Hours: 3
- CIVL 3340 - Introduction to Soil Mechanics Credit Hours: 4
- CIVL 4400 - Highway Design and Transportation Credit Hours: 3
- CIVL 4410 - Advanced Structural Analysis Credit Hours: 3
- CIVL 4420 - Construction Planning and Administration Credit Hours: 3



- CIVL 4440 - Structural Design  
Credit Hours: 3
- CIVL 4460 - Environmental  
Engineering Technology II Credit  
Hours: 3
- CIVL 4470 - Advanced Soil  
Mechanics and Foundation Design  
Credit Hours: 4
- CIVL 4480 - Civil Engineering  
Projects & Applications Credit  
Hours: 3

Technical Electives (3 Credit Hours)

Advisor approved technical elective.

Free Elective (3 Hours)

Degree Total = 120 Credit Hours

## Communication Arts Minor

Minor Courses (24 credit hours)

- COMM 1105 - Voice & Diction  
Credit Hours: 3
- COMM 2201 - Introduction to Group  
Discussion Credit Hours: 3
- COMM 2213 - Introduction to  
Communication Theory and  
Research Practices Credit Hours: 3
- COMM 2219 - Language in  
Communication Credit Hours: 3
- COMM 2241 - Argumentation &  
Debate Credit Hours: 3
- COMM 3300 - Intercultural  
Communication Credit Hours: 3
- COMM 3337 - Persuasive  
Communication Credit Hours: 3
- COMM 3345 - Oratory Credit Hours:  
3

## Communication, B.A.

Core Curriculum (30-35 credit hours)

For details on the required courses, refer to the Core Curriculum program.

Required Major Courses (40 credit hours)

- COMM 2201 - Introduction to Group  
Discussion Credit Hours: 3
- COMM 2213 - Introduction to  
Communication Theory and  
Research Practices Credit Hours: 3
- COMM 2241 - Argumentation &  
Debate Credit Hours: 3
- COMM 2250 - Professional  
Exploration in Communication  
Credit Hours: 1
- COMM 3000 - Communication  
Perspectives of Popular Culture  
Credit Hours: 3
- COMM 3200 - Social Media  
Communication Concepts and  
Practices Credit Hours: 3
- COMM 3300 - Intercultural  
Communication Credit Hours: 3
- COMM 3330 - Organizational  
Communication Credit Hours: 3
- COMM 3337 - Persuasive  
Communication Credit Hours: 3
- COMM 4420 - Contemporary  
Storytelling Credit Hours: 3
- COMM 4496 - Communication in  
Practice: Internship Credit Hours: 3
- JOUR 2245 - Reporting and  
Multimedia News Writing Credit  
Hours: 3
- JOUR 2275 - Media Literacy Credit  
Hours: 3
- JOUR 3315 - Multimedia Publishing  
Credit Hours: 3

Major Elective Courses (18 credit hours)

Students will choose 18 hours from the list of Major Elective courses.

- COMM 2202 - Introduction to  
Communication in the World of  
Work Credit Hours: 3

- COMM 2249 - Intercollegiate Debate I-IV Credit Hours: 1-4
- COMM 3310 - Health Communication Credit Hours: 3
- COMM 3320 - The Art of Storytelling in Theory and Practice Credit Hours: 3
- COMM 4439 - Public Speaking Practicum I-VIII Credit Hours: 1-8
- COMM 4449 - Intercollegiate Debate I-IV Credit Hours: 1-4
- JOUR 3335 - Photojournalism and Digital Imaging Credit Hours: 3
- JOUR 3344 - Publications Practice Credit Hours: 1-3
- JOUR 2280 - History of American Journalism Credit Hours: 3
- JOUR 3330 - Writing for Multimedia Credit Hours: 3
- THEA 1140 - Theatrical Production Credit Hours: 2
- THEA 2228 - Oral Interpretation Practicum I Credit Hours: 1-4
- THEA 2230 - Acting Credit Hours: 3
- THEA 4428 - Oral Interpretation Practicum II Credit Hours: 1-4
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- MKTG 3320 - Advertising and Sales Promotion Credit Hours: 3
- MUSM 1100 - Introduction to Museums Credit Hours: 3
- MUSM 3210 - Museum Interpretation and Education Credit Hours: 3
- GRFX 1111 - Imaging I Foundations Credit Hours: 3
- GRFX 1113 - Multimedia Concepts Credit Hours: 3

Free Electives (27-32 credit hours)

## Community Health Minor

Minor Courses (18-19 Credit Hours)

Student must complete courses below with an additional minimum of 11-12 credit hours from any other CHEP prefixed courses.

- CHEP 1100 - Health Promotion Credit Hours: 4
- CHEP 3000 - Epidemiology & Disease Etiology Credit Hours:

## Community Health Promotion, B.S.

The Bachelor of Science degree in Community Health Promotion provides students with the knowledge and skills to work in community-based programs. The focus of the degree is to prepare health professionals who can assess needs, plan and implement programs, conduct research, communicate health information, and serve as a health resource person. Courses are designed with hands-on learning in mind. Students participate in projects where they are meeting a real community's health needs. Program graduates work to promote positive health behaviors and prevent disease by collaborating with individuals and communities. Employment opportunities are available in non-profit, government, healthcare, and business sectors. Graduates may also seek certification through professional organizations, such as the National Commission on Health Education Credentialing.

## Community Health Minor (18-19 hours)

Degree Requirements

Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

For students in this major, the following courses satisfy both core curriculum and major requirements: CHEP 1100 and CHEP 1110

#### Required Courses (43-45 Credit Hours)

- CHEP 1100 - Health Promotion Credit Hours: 4
- CHEP 1110 - Nutrition & Health Promotion Credit Hours: 3
- CHEP 2202 - Environmental Health Credit Hours: 3
- CHEP 3000 - Epidemiology & Disease Etiology Credit Hours:
- CHEP 3320 - Behavior Change Theory Credit Hours: 3
- CHEP 3345 - Needs Assessment Credit Hours: 3
- CHEP 3350 - Program Planning & Evaluation Credit Hours: 3
- CHEP 3360 - Communication Techniques for Health Promotion Credit Hours: 2
- CHEP 4411 - Community & Public Health Policy, Ethics, and Professionalism Credit Hours: 3
- CHEP 4440 - Health Research and Measurement Design Credit Hours: 3  
OR
- PSYC 3305 - Research Methods in the Behavioral Sciences Credit Hours: 4  
OR
- SOCY 3360 - Research Methods in the Behavioral Sciences Credit Hours: 4
- CHEP 4445 - Health Research Implementation Credit Hours: 3  
OR
- PSYC 3390 - Research Capstone Credit Hours: 3  
OR
- SOCY 3370 - Concepts of Survey Design Credit Hours: 3

- CHEP 4450 - Program Funding & Administration Credit Hours: 3
- CHEP 4480 - Community Health Capstone Credit Hours: 4
- CHEP 4490 - Community Health Internship Credit Hours: 3
- POLI 2240 - Nonparametric Statistics Credit Hours: 3  
OR
- PSYC 2240 - Behavioral Statistics Credit Hours: 3  
OR
- SOCY 2240 - Behavioral Statistics Credit Hours: 3  
or
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3  
or
- MATH 1550 - Applied Statistics Credit Hours: 3

#### Major Electives (6 Credit Hours)

Students must complete at least a total of 6 credit hours course from at least TWO of the topics below:

Addiction: PSYC 3395 OR CRIM 3365

Relationships: SOCY 3310 OR CRIM 2212 OR CHEP 4420 OR SOCY 4450 OR WGST 2201 OR CHEP 3315 OR SOCY 3335 OR SOCY 3345

Special Populations: CHEP 4000 or CHEP 4001 or PSYC 4491 OR PSYC 4493 OR CRIM 3311 OR SOCY 3340

Population Health: CHEP 3355 OR HCMG 2201 or HCMG 3331 or HCMG 4000

#### Minor/ Double Major Requirement

Credit hours vary on the chosen path and how courses may apply to both the CHEP major and a minor/double major/associate program.

Degree Total = 120 Credit Hours

## Computer Science Minor

Minor Courses (10 Credit Hours)

- COMP 1120 - Principles of Programming I Credit Hours: 3
- COMP 1130 - Principles of Programming II Credit Hours: 4
- COMP 2200 - Object-Oriented Programming Credit Hours: 3

Minor Electives (9 Credit Hours)

- COMP 2201 - Machine Organization Credit Hours: 3
- COMP 2220 - Fundamentals of Computer Security Credit Hours: 3
- COMP 2230 - Client-Server Systems Credit Hours: 3
- COMP 2270 - Data Structures Credit Hours: 3
- COMP 3300 - Computer Graphics Credit Hours: 3
- COMP 3395 - Ethical Issues in Computing Credit Hours: 3
- COMP 4440 - Software Engineering Credit Hours: 4
- MATH 2562 - Introduction to Discrete Mathematics Credit Hours: 3

## Computer Science, B.S.

Computer Science is the study of the theoretical foundations of computing and their applications in computer systems. It involves the study and implementation of algorithmic processes that describe and transform information. Computer Science is intended for students with career objectives in a wide range of computing and computer-related professions, e.g., computer programmers, system analysts, software developers, database

administrators, cybersecurity analysts, etc. Students interested in computer science has the option of choosing the Cybersecurity concentration.

Computer Science is a broad discipline that encompasses many areas of specialization, with an ever-growing array of opportunities. The B.S. in Computer Science at Fairmont State has been designed to provide students with an understanding of the field that is broad enough for them to find employment in a wide spectrum of private companies or government agencies and make them competitive for graduate school and advanced study. In addition to receiving the necessary skills in computer science, the students also receive a well-balanced mathematics and general studies curriculum.

NOTES: It is highly recommended that students attempt to complete COMP 1120, COMP 1130, and MATH 2501 by the end of their freshman year.

### Degree Requirements

#### Core Curriculum Courses (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- MATH 2501 - Calculus I Credit Hours: 4

#### Major Courses (55 Credit Hours)

- COMP 1100 - Introduction to Computer Science Credit Hours: 3
- COMP 1120 - Principles of Programming I Credit Hours: 3

- COMP 1130 - Principles of Programming II Credit Hours: 4
- COMP 2200 - Object-Oriented Programming Credit Hours: 3
- COMP 2201 - Machine Organization Credit Hours: 3
- COMP 2230 - Client-Server Systems Credit Hours: 3
- COMP 2270 - Data Structures Credit Hours: 3
- COMP 3330 - Analysis of Algorithms Credit Hours: 3
- COMP 3340 - Operating Systems Credit Hours: 3
- COMP 3395 - Ethical Issues in Computing Credit Hours: 3
- COMP 4400 - Automata Theory Credit Hours: 3
- COMP 4410 - Database Management Credit Hours: 3
- COMP 4440 - Software Engineering Credit Hours: 4
- MATH 1561 - Mathematical Reasoning Credit Hours: 3
- MATH 2562 - Introduction to Discrete Mathematics Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4
- MATH 2502 - Calculus II Credit Hours: 4
- MATH 2510 - Mathematical Logic Credit Hours: 3
- MATH 3503 - Calculus III Credit Hours: 4
- MATH 3504 - Differential Equations Credit Hours: 3
- MATH 3520 - Linear Algebra Credit Hours: 3
- MATH 3550 - Probability Credit Hours: 3

Science Electives (8-10 Credit Hours)

- BIOL 1105 - Biological Principles I Credit Hours: 4
- BIOL 1106 - Biological Principles II Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- CHEM 2200 - Foundational Biochemistry Credit Hours: 4
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1102 - Introduction to Physics II Credit Hours: 4
- PHYS 1105 - Principles of Physics I Credit Hours: 5
- PHYS 1106 - Principles of Physics II Credit Hours: 5

Degree Total = 120 Credit Hours

Major Electives (9-10 Credit Hours)

Select least one COMP and at least one MATH course from the list below

- COMP 3300 - Computer Graphics Credit Hours: 3
- COMP 3310 - Artificial Intelligence Credit Hours: 3
- COMP 3380 - Introduction to Cryptography Credit Hours: 3
- COMP 4420 - Selected Advanced Topics Credit Hours: 3
- COMP 4450 - Introduction to Data Mining Credit Hours: 3

**Computer Science, Cybersecurity Concentration, B.S.**

Computer Science is the study of the theoretical foundations of computing and their applications in computer systems. It involves the study and implementation of algorithmic processes that describe and transform information. Computer Science is intended for students with career objectives in a wide range of computing and computer-related professions, e.g., computer programmers, system analysts, software developers, database administrators, cybersecurity analysts, etc.

Students interested in computer science has the option of choosing the Cybersecurity concentration.

Computer Science is a broad discipline that encompasses many areas of specialization, with an ever-growing array of opportunities. The B.S. in Computer Science at Fairmont State has been designed to provide students with an understanding of the field that is broad enough for them to find employment in a wide spectrum of private companies or government agencies and make them competitive for graduate school and advanced study. In addition to receiving the necessary skills in computer science, the students also receive a well-balanced mathematics and general studies curriculum.

NOTES: It is highly recommended that students attempt to complete COMP 1120, COMP 1130, and MATH 2501 by the end of their freshman year.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (45 Credit Hours)

- COMP 1100 - Introduction to Computer Science Credit Hours: 3
- COMP 1120 - Principles of Programming I Credit Hours: 3
- COMP 1130 - Principles of Programming II Credit Hours: 4
- COMP 2200 - Object-Oriented Programming Credit Hours: 3
- COMP 2201 - Machine Organization Credit Hours: 3
- COMP 2230 - Client-Server Systems Credit Hours: 3

- COMP 2270 - Data Structures Credit Hours: 3
- COMP 3340 - Operating Systems Credit Hours: 3
- COMP 3395 - Ethical Issues in Computing Credit Hours: 3
- COMP 4410 - Database Management Credit Hours: 3
- COMP 4440 - Software Engineering Credit Hours: 4
- MATH 1561 - Mathematical Reasoning Credit Hours: 3
- MATH 2562 - Introduction to Discrete Mathematics Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4

#### Concentration Requirements (23 Credit Hours)

- COMP 2220 - Fundamentals of Computer Security Credit Hours: 3
- COMP 3380 - Introduction to Cryptography Credit Hours: 3
- COMP 3390 - Network Security Credit Hours: 4
- COMP 4415 - Vulnerability Assessment Credit Hours: 4
- COMP 4495 - Cybersecurity Senior Project Credit Hours: 3
- BISM 2600 - Introduction to Networking Administration Credit Hours: 3
- CRIM 2250 - Cybercrime Credit Hours: 3

#### Major Electives (3-4 Credit Hours)

- COMP 3310 - Artificial Intelligence Credit Hours: 3
- COMP 3330 - Analysis of Algorithms Credit Hours: 3
- COMP 4400 - Automata Theory Credit Hours: 3
- COMP 4420 - Selected Advanced Topics Credit Hours: 3

- COMP 4450 - Introduction to Data Mining Credit Hours: 3
- MATH 2502 - Calculus II Credit Hours: 4
- MATH 2510 - Mathematical Logic Credit Hours: 3

#### Science Electives (4-5 Credit Hours)

- BIOL 1105 - Biological Principles I Credit Hours: 4
- BIOL 1106 - Biological Principles II Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1105 - Principles of Physics I Credit Hours: 5

#### Free Electives

Students must complete 10-15 credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Creative Writing Minor

Not open to English majors.

Students in this minor are encouraged to take ENGL 2220 or ENGL 2221 as part of their Core Curriculum requirements.

#### Minor Courses (15 Credit Hours)

Choose five courses from the following:

- ENGL 3332 - Narrative and Descriptive Writing Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 3344 - Writing Poetry Credit Hours: 3

- ENGL 3345 - Writing Fiction Credit Hours: 3
- ENGL 4401 - Creative Writing Capstone Credit Hours: 3
- ENGL 4491 - Writing Internship Credit Hours: 3
- JOUR 3330 - Writing for Multimedia Credit Hours: 3
- JOUR 3350 - Participatory Journalism and Social Media Credit Hours: 3

#### Elective Groups (6 credit hours)

Choose six credit hours from the following three elective groups:

##### Group One

- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3

##### Study of Genre

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

##### Studies in Literature and Culture

- ENGL 3364 - Appalachian Literature Credit Hours: 3

- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- ENGL 3396 - Literature and Film Credit Hours: 3

## Criminal Justice Minor

### Minor Courses (9 Credit Hours)

- CRIM 1100 - Introduction to Criminal Justice Credit Hours: 3
- CRIM 1101 - Police Operations Credit Hours: 3
- CRIM 2206 - Introduction to Corrections Credit Hours: 3

### Minor Electives (9 Credit Hours)

Students must choose CRIM courses from the 3300-4400 level.

## Criminal Justice, B.S.

Criminal Justice examines the structure, functions, and decision-making processes of agencies that deal with crime and criminal offenders. As an independent academic discipline, criminal justice is comparatively new. Interest in criminal justice education was spurred by the "war on crime" during the 1960s and the resulting massive federal funding to upgrade criminal justice agencies, technology, programming and education of criminal justice personnel.

Faculty in this program provide expertise in law enforcement, investigations, corrections, criminal law and theory. Majors are assigned a faculty advisor who will assist in selection of courses relevant to individual interests and career aspirations.

Students with a B.S. degree in criminal justice qualify for employment in city, county, state and federal criminal justice agencies, and in the rapidly-growing private industrial security field. A number of graduates continue their education in graduate programs in criminal justice, criminology or law. The program also offers a Master of Science in Criminal Justice degree.

No Minor Required

### Degree Requirements

#### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

Optional: For students in this major, the following courses meet both core curriculum and major requirements: CRIM 1100

#### Major Courses (30 Credit Hours)

- CRIM 1100 - Introduction to Criminal Justice Credit Hours: 3
- CRIM 1101 - Police Operations Credit Hours: 3
- CRIM 2206 - Introduction to Corrections Credit Hours: 3
- CRIM 2240 - Adjudication Process Credit Hours: 3
- CRIM 2250 - Cybercrime Credit Hours: 3
- CRIM 2295 - Ethics in Criminal Justice Credit Hours: 3



- CRIM 3320 - Criminology Credit Hours: 3
- CRIM 3340 - Criminal Procedure Credit Hours: 3
- CRIM 4400 - Research in the Social Sciences Credit Hours: 3
- CRIM 4425 - Evaluation of the Criminal Justice System Credit Hours: 3
- CRIM 3355 - Analysis of Correctional Operations Credit Hours: 3
- CRIM 3360 - Community-Based Corrections Credit Hours: 3
- CRIM 3365 - Licit and Illicit Drugs Credit Hours: 3
- CRIM 3370 - Economic Crime Credit Hours: 3
- CRIM 3375 - Victimology Credit Hours: 3

#### Major Electives (15 Credit Hours)

A Criminal Justice elective is any Criminal Justice course not listed as required for the major. Must include a minimum of 12 hours of 3300- 4400 level courses.

- CRIM 2202 - Principles of Criminal Law Credit Hours: 3
- CRIM 2209 - Firearms Credit Hours: 3
- CRIM 2212 - Deviant Behavior Credit Hours: 3
- CRIM 2226 - Crime Scene Investigation Credit Hours: 3
- CRIM 2236 - Criminal Investigation Credit Hours: 3
- CRIM 2246 - Criminal Evidence Credit Hours: 3
- CRIM 3302 - Criminal Justice Spanish Credit Hours: 3
- CRIM 3304 - The Female Offender Credit Hours: 3
- CRIM 3305 - Changing Roles of Women in Criminal Justice Credit Hours: 3
- CRIM 3306 - Scientific Basics of Fingerprints Credit Hours: 3
- CRIM 3310 - Comparative Criminal Justice Credit Hours: 3
- CRIM 3311 - Juvenile Justice Credit Hours: 3
- CRIM 3325 - Analysis of Security Operations Credit Hours: 3
- CRIM 3330 - Group Disturbance (3)
- CRIM 3335 - Analysis of Police Operations Credit Hours: 3
- CRIM 3380 - Mock Trial Credit Hours: 3
- CRIM 3385 - Racial Profiling. Credit Hours: 3
- CRIM 3390 - Forensic Psychology Credit Hours: 3
- CRIM 3395 - Constitutional Law Credit Hours: 3
- CRIM 3399 - Special Issues in Criminal Justice Credit Hours: 3-12 (3-9 Credits Required)
- CRIM 4401 - Independent Study Credit Hours: 1-12
- CRIM 4404 - Civil Liberties in the United States Credit Hours: 3
- CRIM 4405 - Terrorism Credit Hours: 3
- CRIM 4411 - Internship Credit Hours: 3-12
- CRIM 4413 - Inside-Out: Prison Exchange Program Credit Hours: 3
- CRIM 4415 - Community Policing Credit Hours: 3
- CRIM 4420 - Legal Research Credit Hours: 3
- CRIM 4435 - Intelligence Law Credit Hours: 3
- CRIM 4440 - National Security Law Credit Hours: 3
- CRIM 4998 - Undergraduate Research Credit Hours: 0-6 (1-6 Credit Required)
- CRIM 2250 - Cybercrime Credit Hours: 3

## Social and Behavioral Sciences Courses (21 Credit Hours)

Student must choose 21 hours from of 2200-4400 courses in Community Health Promotion, Geography, History, National Security and Intelligence, Political Science, Philosophy, Psychology, or Sociology. Courses must be chosen from at least three disciplines. It is highly recommended that students interested in pursuing a criminal justice master's degree include PSYC 2240/SOCY 2240

## Free Electives (24 Credit Hours)

Degree Total = 120 Credit Hours

## Criminal Justice, Police Academy Concentration, B.S.

Graduates of the B.S. in Criminal Justice program with a concentration in the Policy Academy will meet all training requirements for certification as a West Virginia Law Enforcement officer. Job opportunities will include local law enforcement agencies and statewide law enforcement agencies. In addition, other states and federal agencies may also accept graduation from a law enforcement training program as meeting full or partial requirements for certification in their respective locations.

## Degree Requirements

### Core Curriculum Courses (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

Optional: For students in this major, the following courses meet both core

curriculum and major requirements: CRIM 1100

## Major Courses (30 Credit Hours)

- CRIM 1100 - Introduction to Criminal Justice Credit Hours: 3
- CRIM 1101 - Police Operations Credit Hours: 3
- CRIM 2206 - Introduction to Corrections Credit Hours: 3
- CRIM 2240 - Adjudication Process Credit Hours: 3
- CRIM 2250 - Cybercrime Credit Hours: 3
- CRIM 2295 - Ethics in Criminal Justice Credit Hours: 3
- CRIM 3320 - Criminology Credit Hours: 3
- CRIM 3340 - Criminal Procedure Credit Hours: 3
- CRIM 4400 - Research in the Social Sciences Credit Hours: 3
- CRIM 4425 - Evaluation of the Criminal Justice System Credit Hours: 3

## Policy Academy Concentration (18 Credit Hours)

- CRIM 2202 - Principles of Criminal Law Credit Hours: 3
- CRIM 4401A - Academy Independent Study Credit Hours: 3
- CRIM 4411A - Academy Internship Credit Hours: 12

## Criminal Justice Electives (15 Credit Hours)

Students must choose from the courses below.

- CRIM 3302 - Criminal Justice Spanish Credit Hours: 3
- CRIM 3311 - Juvenile Justice Credit Hours: 3

- CRIM 3335 - Analysis of Police Operations Credit Hours: 3
- CRIM 3365 - Licit and Illicit Drugs Credit Hours: 3
- CRIM 3375 - Victimology Credit Hours: 3
- CRIM 3380 - Mock Trial Credit Hours: 3
- CRIM 3385 - Racial Profiling. Credit Hours: 3
- CRIM 3399 - Special Issues in Criminal Justice Credit Hours: 3-12
- CRIM 4413 - Inside-Out: Prison Exchange Program Credit Hours: 3
- CRIM 4415 - Community Policing Credit Hours: 3

#### Social Behavioral Sciences Electives (15 Credit Hours)

Students must choose 15 hours from 2200-4400 courses in Geography, History, National Security and Intelligence, Political Science, Philosophy, Psychology, or Sociology.

Courses must be chosen from at least three (3) disciplines.

#### Free Electives (15 Credit Hours)

Degree Total = 120 Credit Hours

### Cybersecurity Minor

#### Required Courses (20 Hours)

- COMP 1110 - Introduction to Programming Credit Hours: 3  
or
- COMP 1120 - Principles of Programming I Credit Hours: 3
- COMP 2220 - Fundamentals of Computer Security Credit Hours: 3
- COMP 3390 - Network Security Credit Hours: 4

- COMP 4415 - Vulnerability Assessment Credit Hours: 4
- BISM 2600 - Introduction to Networking Administration Credit Hours: 3
- COMP 3380 - Introduction to Cryptography Credit Hours: 3  
Or
- COMP 3395 - Ethical Issues in Computing Credit Hours: 3  
Or
- COMP 4495 - Cybersecurity Senior Project Credit Hours: 3

### Data Science Minor

#### Minor Courses (18 credit hours)

- MATH 1550 - Applied Statistics Credit Hours: 3
- COMP 1110 - Introduction to Programming Credit Hours: 3
- MATH 2541 - Fundamentals of Data Science Credit Hours: 3  
or
- COMP 2541 - Fundamentals of Data Science Credit Hours: 3
- MATH 2542 - Applied Data Science Credit Hours: 3  
or
- COMP 2542 - Applied Data Science Credit Hours: 3
- COMP 4450 - Introduction to Data Mining Credit Hours: 3
- MATH 4510 - Data Science Capstone Credit Hours: 3  
or
- COMP 4510 - Data Science Capstone Credit Hours: 3

### Earth & Space Science Grades 5-Adult Specialization, B.A.

#### Degree Requirements

#### Core Curriculum (19 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements: ENGL 1102 MATH 1540 BIOL 1105 EDUC 2201

**Professional Education (49 Credit Hours)**

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to Education  
Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional Technology  
Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching  
Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators  
Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment  
Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas  
Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment  
Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student Teaching for Secondary  
Credit Hours: 10

- EDUC 4480 - Teacher Performance Assessment Seminar  
Credit Hours: 2

**Earth, Space & Science Program (52 Credit Hours)**

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- GEOL 1101 - Physical Geology  
Credit Hours: 4
- GEOL 1102 - Historical Geology  
Credit Hours: 4
- GEOL 2300 - Environmental Geology  
Credit Hours: 4
- GEOS 2200 - Oceans and Climate  
Credit Hours: 4
- GEOS 3100 - Informal Science Field Experience  
Credit Hours: 1
- MATH 1540 - Trigonometry  
Credit Hours: 3
- PHSC 4430 - Science Integration Seminar  
Credit Hours: 1
- PHSC 4431 - Methods and Materials in Teaching Science  
Credit Hours: 3
- PHYS 1101 - Introduction to Physics I  
Credit Hours: 4
- OR
- PHYS 1001 - General Physics I  
Credit Hours: 4
- PHYS 2202 - Astronomy  
Credit Hours: 3
- SCIE 1105 - Environmental Science  
Credit Hours: 4
- SCIE 1107 - Geographic Information Systems  
Credit Hours: 4
- SCIE 1120 - Introduction to Meteorology  
Credit Hours: 4

Degree Total = 120 Credit Hours

**Electronics Engineering Technology Minor**

### Minor Courses (18 Credit Hours)

- ELEC 1100 - Circuit Analysis I  
Credit Hours: 3
- ELEC 1120 - AC/DC Electronics  
Analysis Credit Hours: 3
- ELEC 2210 - Circuit Analysis II  
Credit Hours: 3
- ELEC 2230 - Digital Electronics  
Credit Hours: 3
- ELEC 2270 - Microcomputers Credit  
Hours: 3
- ELEC 2280 - Programmable  
Controllers Credit Hours: 3

### Electronics Engineering Technology, A.S.

The Electronics Engineering Technology (EET) program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

The EET program at Fairmont State is a specialized discipline with focus on application, implementation, theory, and applied design. Graduates work in industries that produce and use electrical and electronic equipment; including embedded systems, control systems, instrumentation, telecommunications, and power systems.

The Associate of Science degree in Electronics Engineering Technology (ASEET) emphasizes the practical field knowledge that is required to maintain and troubleshoot existing electrical/electronic systems or to build and test new design prototypes. Once the associate degree is earned, the graduate may choose to enter the workforce or continue studying at the baccalaureate level.

### Degree Requirements

#### Core Curriculum (14 Credit Hours)

Students in Associate Degree program are required to complete 14 credit hours in the Core Curriculum courses inclusive of oral communication, written communication, fitness and wellbeing, and technology. For details on the required courses, refer to the Core Curriculum program.

- COMM 2202 - Introduction to  
Communication in the World of  
Work Credit Hours: 3
- ENGL 1101 - Written English I  
Credit Hours: 3-4 (3 Credits  
Required)
- ENGL 1103 - Technical Report  
Writing Credit Hours: 3

#### Major Courses (46 Credit Hours)

\*Students can qualify (depending on ACT/SAT scores) to waive algebra and trigonometry for Calculus. In this case the student will take 6 additional credit hours of mathematics or technical electives.

- ELEC 1100 - Circuit Analysis I  
Credit Hours: 3
- ELEC 1120 - AC/DC Electronics  
Analysis Credit Hours: 3
- ELEC 2210 - Circuit Analysis II  
Credit Hours: 3
- ELEC 2225 - Electronic Devices  
Credit Hours: 3
- ELEC 2230 - Digital Electronics  
Credit Hours: 3
- ELEC 2240 - Industrial Electronics  
Credit Hours: 3
- ELEC 2250 - AC-DC Machinery and  
Controls Credit Hours: 3
- ELEC 2280 - Programmable  
Controllers Credit Hours: 3
- MATH 1510 - Applied Technical  
Mathematics I Credit Hours: 3 \*  
OR
- MATH 1530 - College Algebra  
Credit Hours: 3 \*

- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3 \*  
OR
- MATH 1540 - Trigonometry Credit Hours: 3 \*
- MATH 2501 - Calculus I Credit Hours: 4  
OR
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- MATH 2502 - Calculus II Credit Hours: 4  
OR
- TECH 3300 - Engineering Analysis II Credit Hours: 4
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1102 - Introduction to Physics II Credit Hours: 4

Degree Total = 60 Credit Hours

## Electronics Engineering Technology, B.S.E.T.

The Electronics Engineering Technology (EET) program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

The EET program at Fairmont State is a specialized discipline with focus on application, implementation, theory, and applied design. Graduates work in industries that produce and use electrical and electronic equipment; including embedded systems, control systems, instrumentation, telecommunications, and power systems.

The Bachelor of Science degree in Electronics Engineering Technology (BSEET) provides students with a greater emphasis on design and analysis, with advanced classes in programmable controllers, linear and microcomputer systems, data acquisition and control

systems. An independent senior capstone project and elective options provide focused learning opportunities in technical areas of interest. BSEET graduates can expect to be involved with product design, creating performance requirements, testing, developing maintenance schedules, data analysis, programming PLC's and microcontroller systems. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- CHEM 1101 - General Chemistry Credit Hours: 4
- MATH 1510 - Applied Technical Mathematics I Credit Hours: 3
- PHYS 1101 - Introduction to Physics I Credit Hours: 4

#### Major Courses (79 Credit Hours)

\*Students can qualify (depending on ACT/SAT scores) to waive algebra and trigonometry for Calculus. In this case the student will take 6 additional credit hours of advanced mathematics or technical electives.

- CHEM 1101 - General Chemistry Credit Hours: 4
- COMP 1120 - Principles of Programming I Credit Hours: 3  
OR
- COMP 1110 - Introduction to Programming Credit Hours: 3 C++

OR

- Python (3)
- ELEC 1100 - Circuit Analysis I  
Credit Hours: 3
- ELEC 1120 - AC/DC Electronics  
Analysis Credit Hours: 3
- ELEC 2210 - Circuit Analysis II  
Credit Hours: 3
- ELEC 2225 - Electronic Devices  
Credit Hours: 3
- ELEC 2230 - Digital Electronics  
Credit Hours: 3
- ELEC 2240 - Industrial Electronics  
Credit Hours: 3
- ELEC 2250 - AC-DC Machinery and  
Controls Credit Hours: 3
- ELEC 2270 - Microcomputers Credit  
Hours: 3
- ELEC 2280 - Programmable  
Controllers Credit Hours: 3
- ELEC 3300 - Advanced Linear  
Electronics Credit Hours: 3
- ELEC 3310 - Advanced  
Microcomputer Systems Credit  
Hours: 3
- ELEC 3360 - Communication  
Systems Credit Hours: 3
- ELEC 4401 - Senior Electronics  
Project I Credit Hours: 4
- ELEC 4402 - Senior Electronics  
Project II Credit Hours: 3
- ELEC 4410 - Data Acquisition and  
Control Systems Credit Hours: 4
- ELEC 4420 - Advanced Automation  
Controller Systems Credit Hours: 3
- MATH 1510 - Applied Technical  
Mathematics I Credit Hours: 3
- MATH 1520 - Applied Technical  
Mathematics II Credit Hours: 3
- PHYS 1101 - Introduction to Physics  
I Credit Hours: 4
- PHYS 1102 - Introduction to Physics  
II Credit Hours: 4
- TECH 2290 - Engineering Analysis I  
Credit Hours: 4
- TECH 3300 - Engineering Analysis  
II Credit Hours: 4

### Major Electives (4-6 Credit Hours)

Select 4-6 credit hours from the following list of courses below. Other technical related courses that meet the goals of the ELEC program and are not on this list will be considered for credit as a Technical Elective on a case-by-case basis.

- BISM 1500 - Business Information  
Tools Credit Hours: 3
- BISM 2400 - Operating Systems  
Concepts Across the Enterprise  
Credit Hours: 3
- BISM 2600 - Introduction to  
Networking Administration Credit  
Hours: 3
- COMP 1130 - Principles of  
Programming II Credit Hours: 4
- COMP 2200 - Object-Oriented  
Programming Credit Hours: 3
- COMP 2201 - Machine Organization  
Credit Hours: 3
- COMP 2220 - Fundamentals of  
Computer Security Credit Hours: 3
- MANF 2205 - Engineering Economy  
Credit Hours: 3
- MANF 2250 - Total Quality & SPC  
Credit Hours: 3
- MATH 2562 - Introduction to  
Discrete Mathematics Credit Hours:  
3
- MATH 3503 - Calculus III Credit  
Hours: 4
- MATH 3550 - Probability Credit  
Hours: 3
- MATH 3520 - Linear Algebra Credit  
Hours: 3
- MATH 3504 - Differential Equations  
Credit Hours: 3
- MECH 1100 - Statics Credit Hours:  
3
- MECH 2200 - Strength of Materials  
Credit Hours: 4
- MECH 2210 - Thermodynamics I  
Credit Hours: 3
- MECH 2220 - Fluid Mechanics  
Credit Hours: 3

- MECH 2240 - Machine Design I  
Credit Hours: 3
- SFTY 2250 - Safety Law and  
Compliance Credit Hours: 3
- TECH 1108 - Engineering Graphics  
I Credit Hours: 3
- TECH 2208 - Engineering Graphics  
II Credit Hours: 3
- TECH 4401 - Work Experience  
Laboratory Credit Hours: 8

#### Free Electives

Students must complete a minimum of 9 credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Elementary Education K-6, B.A.

Candidates who wish to qualify for certifications and licensure in teaching grades K-6, shall complete the Core Curriculum Requirements, the Elementary Education Program and Professional Education courses as outlined below. Subject specializations are NOT required for this degree, but students may choose to add them if they wish. \*Field experiences and student teaching are required in an approved K-6 classroom, and in an approved classroom for each additional specialization. For specific program requirements and additional specializations, see the section of the catalog for the academic college which offers the program.

#### Degree Requirements

##### Core Curriculum (30 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following course satisfies

both core curriculum and major requirements:

- EDUC 2201 - Instructional  
Technology Credit Hours: 3
- HIST 1108 - United States History II  
Credit Hours: 3
- HIST 1107 - United States History I  
Credit Hours: 3
- HIST 2211 - World Civilizations I  
Credit Hours: 3
- HIST 2213 - World Civilizations III  
Credit Hours: 3
- BIOL 1104 - Biosphere Credit  
Hours: 4

##### Pre- Major Courses (6 Credit Hours)

- EDUC 2200 - Introduction to  
Education Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional  
Technology Credit Hours: 3

##### Professional Education (36 Credit Hours)

All courses must be completed prior to Student Teaching.

- EDUC 2203 - Human Development,  
Learning & Teaching Credit Hours:  
3
- EDUC 2240 - High Incidence  
Disabilities for Educators Credit  
Hours: 3
- EDUC 2241 - Field Experience 2:  
The Learner and Learning  
Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3330 - The Reading Process  
Credit Hours: 3



- EDUC 3332 - Pedagogy of Literacy (Reading and Language Arts Methods) Credit Hours: 3
- EDUC 3333 - Assessment and Reading Improvement Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 4480 - Teacher Performance Assessment Seminar Credit Hours: 2
- PHED 3000 - Wellness Integration in the Elementary Classroom Credit Hours: 3
- GEOS 2201 - Exosphere Credit Hours: 4
- GEOS 2202 - Geosphere Credit Hours: 4
- PHSC 4412 - Elementary Science Methods Credit Hours: 3
- EDUC 4484 - Residency 2: Student Teaching for Elementary Credit Hours: 10

Optional Specializations (10-25 Credit Hours)

Subject Specializations Grades

1. Elementary Education K-6, BA (Mathematics Endorsement, 5-9)
2. Elementary Education K-6, BA (Spanish Endorsement, Pre-K-Adult)
3. Elementary Education K-6, BA (Multi-categorical Special Education Endorsement, K-12)

Elementary Education K-6 Program (51 Credit Hours)

- ART 3352 - Arts Integration in the Elementary Classroom Credit Hours: 3
- EDUC 3350 - Elementary Social Studies Methods Credit Hours: 3
- HIST 1107 - United States History I Credit Hours: 3
- HIST 1108 - United States History II Credit Hours: 3
- HIST 2211 - World Civilizations I Credit Hours: 3
- OR
- HIST 2213 - World Civilizations III Credit Hours: 3
- HIST 3302 - West Virginia Credit Hours: 3
- MATH 2551 - Structure of the Real Numbers Credit Hours: 3
- MATH 2552 - Data Analysis and Geometry Credit Hours: 3
- MATH 3553 - Math Methods for Elementary Teachers Credit Hours: 3

Degree Total = 123 Credit Hours

### Elementary Education K-6, BA (Mathematics Endorsement, 5-9)

The Department of Computer Science and Mathematics cooperates with the Department of Education in meeting its mission to prepare candidates for a Bachelors of Arts degree in Education with mathematics teaching endorsement for grades 5-9. This mathematics endorsement prepares teacher candidates for general mathematics through Algebra I. **This endorsement must be combined with a B.A. in Elementary Education degree program or any another B.A. in Education degree program.** Field experiences and student teaching in an approved K-6 classroom and in an

approved classroom for mathematics endorsement are required.

It is expected that incoming students in this field will present a minimum of four units of high school mathematics, including the equivalent of two units of algebra, one unit of geometry, and one advanced unit such as Pre-Calculus. Students without this background may be required to complete appropriate lower-level courses in addition to the stated requirements. Students should consult with their advisor concerning credit for prerequisites and special examinations for course credit.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

EDUC 2201  
HIST 1107  
HIST 1108  
BIOL 1104  
HIST 2211  
HIST 2213  
MATH 1430  
MATH 1540

#### Professional Education (39 Credit Hours)

All courses must be completed prior to Student Teaching.

- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2200L - Field Experience I Credit Hours: 0
- EDUC 2201 - Instructional Technology Credit Hours: 3

- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2265 - Field Experience 2 Credit Hours: 1
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 3365 - Field Experience 3 Credit Hours: 2
- EDUC 4491 - Elementary Student Teaching Credit Hours: 10
- EDUC 4480 - Teacher Performance Assessment Seminar Credit Hours: 2

#### Elementary Education K-6 Program (53 Credit Hours)

- ART 3350 - Elementary Art Education Credit Hours: 3
- EDUC 3332 - Pedagogy of Literacy (Reading and Language Arts Methods) Credit Hours: 3
- EDUC 3350 - Elementary Social Studies Methods Credit Hours: 3
- ENGL 3354 - Children's Literature Credit Hours: 3
- HIST 1107 - United States History I Credit Hours: 3
- HIST 1108 - United States History II Credit Hours: 3
- HIST 2211 - World Civilizations I Credit Hours: 3  
OR
- HIST 2213 - World Civilizations III Credit Hours: 3

- HIST 3302 - West Virginia Credit Hours: 3
- HLTA 4400 - Health Education in the Elementary School Credit Hours: 3
- MATH 2551 - Structure of the Real Numbers Credit Hours: 3
- MATH 2552 - Data Analysis and Geometry Credit Hours: 3
- MATH 3553 - Math Methods for Elementary Teachers Credit Hours: 3
- MUSI 3330 - Music in the Elementary Classroom. Credit Hours: 3
- PHED 3326 - Early Psychomotor Development Credit Hours: 3
- BIOL 1104 - Biosphere Credit Hours: 4
- GEOS 2201 - Exosphere Credit Hours: 4
- GEOS 2202 - Geosphere Credit Hours: 4
- PHSC 4412 - Elementary Science Methods Credit Hours: 3
- EDUC 3330 - The Reading Process Credit Hours: 3

#### Mathematics Course Requirements (21-22 Credit Hours)

- MATH 1530 - College Algebra Credit Hours: 3
- OR
- MATH 1430 - College Algebra with Support Credit Hours: 4
- MATH 1540 - Trigonometry Credit Hours: 3
- MATH 1550 - Applied Statistics Credit Hours: 3
- MATH 1561 - Mathematical Reasoning Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4
- MATH 2554 - Topics in Math History Credit Hours: 2

- MATH 4531 - Methods and Materials in Teaching Mathematics Credit Hours: 3

Degree Total = Minimum 135 Credit Hours

### Elementary Education K-6, BA (Multi-categorical Special Education Endorsement, K-12)

The Department of Education prepares candidates for a Bachelor of Arts in Education - Elementary Education degree with an endorsement in Multi-categorical Special Education for grades PreK-Adult. This endorsement must be combined with a B.A. in Elementary Education program. Field experiences and student teaching in an approved K-6 classroom, and in an approved classroom for the special education endorsement are required.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

EDUC 2201  
HIST 1107  
HIST 1108  
BIOL 1104

##### Professional Education (39 Credit Hours)

All courses must be completed prior to Student Teaching.

- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2200L - Field Experience I Credit Hours: 0

- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2265 - Field Experience 2 Credit Hours: 1
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 3365 - Field Experience 3 Credit Hours: 2
- EDUC 4485 - Action Research Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours: 1
- EDUC 4491 - Elementary Student Teaching Credit Hours: 10
- HIST 1108 - United States History II Credit Hours: 3
- HIST 2211 - World Civilizations I Credit Hours: 3  
OR
- HIST 2213 - World Civilizations III Credit Hours: 3
- HIST 3302 - West Virginia Credit Hours: 3
- HLTA 4400 - Health Education in the Elementary School Credit Hours: 3
- MATH 2551 - Structure of the Real Numbers Credit Hours: 3
- MATH 2552 - Data Analysis and Geometry Credit Hours: 3
- MATH 3553 - Math Methods for Elementary Teachers Credit Hours: 3
- MUSI 3330 - Music in the Elementary Classroom. Credit Hours: 3
- PHED 3326 - Early Psychomotor Development Credit Hours: 3
- BIOL 1104 - Biosphere Credit Hours: 4
- GEOS 2201 - Exosphere Credit Hours: 4
- GEOS 2202 - Geosphere Credit Hours: 4
- PHSC 4412 - Elementary Science Methods Credit Hours: 3

**Elementary Education K-6 Program (56 Credit Hours)**

- ART 3350 - Elementary Art Education Credit Hours: 3
- EDUC 3330 - The Reading Process Credit Hours: 3
- EDUC 3332 - Pedagogy of Literacy (Reading and Language Arts Methods) Credit Hours: 3
- EDUC 3350 - Elementary Social Studies Methods Credit Hours: 3
- ENGL 3354 - Children's Literature Credit Hours: 3
- GEOG 2210 - Introduction to Geography Credit Hours: 3
- HIST 1107 - United States History I Credit Hours: 3

**Multi-Categorical Special Education Endorsement (10 Credit Hours)**

- SPED 2520 - Linking Policy and Practice in Special Education Credit Hours: 3
- SPED 3520 - Behavior Analysis, Intervention, and Support Credit Hours: 3
- SPED 4520 - Assessment and Instruction of Individuals with Exceptionalities (IWE) Credit Hours: 4

Degree Total= 120 Credit Hours

## Elementary Education K-6, BA (Spanish Endorsement, Pre-K-Adult)

The Department of Education cooperates with the Department of Humanities in meeting its mission to prepare candidates for a Bachelors of Arts degree in Education with Spanish endorsement for grades Pre-K-Adult. The Spanish endorsement must be combined with a B.A. in Elementary Education program or any another B.A. in Education degree program. Field experiences and student teaching in an approved K-6 classroom, and in an approved classroom for Spanish endorsement are required.

All students who have taken Spanish in high school should take a placement test to determine at what level they begin. Students who test out of beginning courses may receive credit for these courses by asking their instructor to complete Credit by Exam paperwork, and paying a fee. For more information, visit the Department of Humanities.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

EDUC 2201  
HIST 1107  
HIST 1108  
BIOL 1104

#### Professional Education Courses (39 Credit Hours)

- EDUC 2200 - Introduction to Education Credit Hours: 3

- EDUC 2200L - Field Experience I Credit Hours: 0
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2265 - Field Experience 2 Credit Hours: 1
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 3365 - Field Experience 3 Credit Hours: 2
- EDUC 4491 - Elementary Student Teaching Credit Hours: 10
- EDUC 4480 - Teacher Performance Assessment Seminar Credit Hours: 2

#### Elementary Education K-6 Program (53 Credit Hours)

- ART 3350 - Elementary Art Education Credit Hours: 3
- EDUC 3330 - The Reading Process Credit Hours: 3
- EDUC 3332 - Pedagogy of Literacy (Reading and Language Arts Methods) Credit Hours: 3
- EDUC 3350 - Elementary Social Studies Methods Credit Hours: 3
- ENGL 3354 - Children's Literature Credit Hours: 3
- HIST 1107 - United States History I Credit Hours: 3
- HIST 1108 - United States History II Credit Hours: 3

- HIST 2211 - World Civilizations I  
Credit Hours: 3  
OR
- HIST 2213 - World Civilizations III  
Credit Hours: 3
- HIST 3302 - West Virginia Credit  
Hours: 3
- HLTA 4400 - Health Education in  
the Elementary School Credit  
Hours: 3
- MATH 2551 - Structure of the Real  
Numbers Credit Hours: 3
- MATH 2552 - Data Analysis and  
Geometry Credit Hours: 3
- MATH 3553 - Math Methods for  
Elementary Teachers Credit Hours:  
3
- MUSI 3330 - Music in the  
Elementary Classroom. Credit  
Hours: 3
- PHED 3326 - Early Psychomotor  
Development Credit Hours: 3
- BIOL 1104 - Biosphere Credit  
Hours: 4
- GEOS 2201 - Exosphere Credit  
Hours: 4
- GEOS 2202 - Geosphere Credit  
Hours: 4
- PHSC 4412 - Elementary Science  
Methods Credit Hours: 3

#### Spanish Endorsement (33 Credit Hours)

- SPAN 2201 - Intermediate Spanish I  
Credit Hours: 3
- SPAN 2202 - Intermediate Spanish  
II Credit Hours: 3
- SPAN 3301 - Spanish Composition  
and Conversation I Credit Hours: 3
- SPAN 3302 - Spanish Composition  
and Conversation II Credit Hours: 3
- SPAN 3310 - Spanish Civilization  
and Culture Credit Hours: 3  
OR
- SPAN 3320 - Latin American  
Civilization and Culture Credit  
Hours: 3

- SPAN 4400 - Survey of Latin  
American Literature Credit Hours: 3
- SPAN 4401 - Survey of Peninsular  
Literature Credit Hours: 3
- SPAN 4431 - Methods: Second  
Language Acquisition in the  
Classroom Credit Hours: 3
- SPAN 4411 - Spanish Capstone:  
Proficiency Portfolio Credit Hours: 1

#### Spanish Elective

Select one course from the list below.

- SPAN 1199 - Special Topics Credit  
Hours: 3
- SPAN 2200 - Spanish Language  
Film and Video Credit Hours: 3
- SPAN 3300 - Undergraduate  
Student Exchange Credit Hours: 3-6
- SPAN 3310 - Spanish Civilization  
and Culture Credit Hours: 3  
OR
- SPAN 3320 - Latin American  
Civilization and Culture Credit  
Hours: 3
- SPAN 4418 - U.S. Hispanic Cultures  
& Literature Credit Hours: 3

Degree Total= Minimum 130 Credit Hours

#### English Grades 5-Adult Teaching Specialization, B.A.

The Bachelor of Arts in Education with an English Specialization is designed to prepare teacher candidates with the knowledge, skills, and dispositions to meet West Virginia teaching licensure requirements and obtain a teacher certification in English. Students complete professional education courses, English major coursework and clinical experiences - including student teaching in a middle or high school.

#### Degree Requirements

### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

**Optional:** For student in this major, the following course will satisfy both major and core curriculum requirement: EDUC 2201 and ENGL 1102

**Note** regarding Core Curriculum Requirements for this degree: If a student has taken either ENGL 2230 or ENGL 2231 (but not both), s/he must take both ENGL 2220 and ENGL 2221. If a student has taken both ENGL 2230 and ENGL 2231, s/he must also take ENGL 2220.

### Professional Education (49 Credit Hours)

Required for the B.A. in Education

- ENGL 1102 - Written English II Credit Hours: 3
- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2200L - Field Experience I Credit Hours: 0
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3

- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 4483 - Residency 2: Student Teaching for Secondary Credit Hours: 10
- EDUC 4480 - Teacher Performance Assessment Seminar Credit Hours: 2

### Major Courses (57 Credit Hours)

- ENGL 1101 - Written English I Credit Hours: 3-4
- ENGL 2220 - World Literature I: Origins to 1650 Credit Hours: 3
- ENGL 2221 - World Literature II: 1650 to the Present Credit Hours: 3
- ENGL 2251 - Introduction to Literary Studies Credit Hours: 3
- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3332 - Narrative and Descriptive Writing Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3

- ENGL 3374 - Shakespeare Credit Hours: 3
- ENGL 4431 - Methods and Materials in Teaching English Credit Hours: 3
- JOUR 3315 - Multimedia Publishing Credit Hours: 3

#### Major Electives (12 Credit Hours)

(Select one from each of the following groups.)

#### British Literature

- ENGL 3370 - Literature of the Middle Ages Credit Hours: 3
- ENGL 3373 - Chaucer Credit Hours: 3
- ENGL 3375 - Later Renaissance British Literature Credit Hours: 3
- ENGL 3377 - Literature of the Enlightenment Credit Hours: 3
- ENGL 3378 - British Romanticism Credit Hours: 3
- ENGL 3379 - Literature of the Victorian Period Credit Hours: 3
- ENGL 3380 - Twentieth-Century British Literature Credit Hours: 3
- ENGL 3381 - The British Novel Credit Hours: 3

#### American Literature

- ENGL 3361 - American Romanticism Credit Hours: 3
- ENGL 3362 - American Realism and Naturalism Credit Hours: 3
- ENGL 3363 - The American Novel Credit Hours: 3
- ENGL 3365 - American Modernism Credit Hours: 3
- ENGL 3366 - Contemporary Literature Credit Hours: 3
- ENGL 3393 - Southern Literature Credit Hours: 3

#### Study of Genre

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

#### Studies in Literature and Culture

- ENGL 3364 - Appalachian Literature Credit Hours: 3
- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- ENGL 3396 - Literature and Film Credit Hours: 3

Degree Total = 126-127 Credit Hours

#### English Minor

Minor Courses (9 Credit Hours)

Students minoring in English should take ENGL 2220 and ENGL 2221 as part of their Core Curriculum Requirements.



- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3  
OR
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3  
OR
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3374 - Shakespeare Credit Hours: 3
- ENGL 3365 - American Modernism Credit Hours: 3
- ENGL 3366 - Contemporary Literature Credit Hours: 3
- ENGL 3393 - Southern Literature Credit Hours: 3

### Study of Genre

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

### Minor Electives (12 Credit Hours)

(Select one course from each of the following groups.)

#### British Literature

- ENGL 3370 - Literature of the Middle Ages Credit Hours: 3
- ENGL 3373 - Chaucer Credit Hours: 3
- ENGL 3375 - Later Renaissance British Literature Credit Hours: 3
- ENGL 3377 - Literature of the Enlightenment Credit Hours: 3
- ENGL 3378 - British Romanticism Credit Hours: 3
- ENGL 3379 - Literature of the Victorian Period Credit Hours: 3
- ENGL 3380 - Twentieth-Century British Literature Credit Hours: 3
- ENGL 3381 - The British Novel Credit Hours: 3

#### American Literature

- ENGL 3361 - American Romanticism Credit Hours: 3
- ENGL 3362 - American Realism and Naturalism Credit Hours: 3
- ENGL 3363 - The American Novel Credit Hours: 3

### Studies in Literature and Culture

- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3
- ENGL 3364 - Appalachian Literature Credit Hours: 3
- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3

- ENGL 3396 - Literature and Film  
Credit Hours: 3

## English, Creative Writing Concentration, B.A.

A Bachelor of Arts Degree in English answers to contemporary demands for flexible reading, writing, and analytical skills in private, social, and public realms, including career opportunities and graduate and professional studies. Students with English degrees in the Writing Concentration are sought across a range of employment fields, from journalism, education, publishing, and public affairs to marketing, sales, entertainment, and human resources, to name but a few. Literary study, critical writing, and creative writing develop deep cultural and historical knowledge necessary to complex thinking and lucid communication, as well as versatile interpretive skills essential to navigating the multimodal and intercultural communications of today's world.

The sophisticated literacy required for living and working successfully in an information-saturated world develops throughout the levels of the English Program in our composition, literature, and specialized writing courses. Students in any major may select from a variety of courses to enhance their writing skills and knowledge of English.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Foundation Courses (6 Credit Hours)

- ENGL 2220 - World Literature I: Origins to 1650 Credit Hours: 3
- ENGL 2221 - World Literature II: 1650 to the Present Credit Hours: 3

#### Major Courses (15 Credit Hours)

- ENGL 2251 - Introduction to Literary Studies Credit Hours: 3
- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3  
OR
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3  
OR
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3374 - Shakespeare Credit Hours: 3

#### Creative Writing Concentration (18 Credit Hours)

- ENGL 3332 - Narrative and Descriptive Writing Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 3344 - Writing Poetry Credit Hours: 3
- ENGL 3345 - Writing Fiction Credit Hours: 3
- JOUR 3330 - Writing for Multimedia Credit Hours: 3  
OR
- JOUR 3350 - Participatory Journalism and Social Media Credit Hours: 3
- ENGL 4401 - Creative Writing Capstone Credit Hours: 3

#### Creative Writing Electives (9 Credit Hours)

Select one course from each of the following categories.

### American Literature

- ENGL 3361 - American Romanticism Credit Hours: 3
- ENGL 3362 - American Realism and Naturalism Credit Hours: 3
- ENGL 3363 - The American Novel Credit Hours: 3
- ENGL 3365 - American Modernism Credit Hours: 3
- ENGL 3366 - Contemporary Literature Credit Hours: 3
- ENGL 3393 - Southern Literature Credit Hours: 3

### Study of Genre

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

### Studies in Literature and Culture

- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3
- ENGL 3364 - Appalachian Literature Credit Hours: 3
- ENGL 3385 - The Arthurian Tradition Credit Hours: 3

- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- ENGL 3396 - Literature and Film Credit Hours: 3

Degree Total = 120 Credit Hours

### English, Literature Concentration, B.A.

A Bachelor of Arts Degree in English answers to contemporary demands for flexible reading, writing, and analytical skills in private, social, and public realms, including career opportunities and graduate and professional studies. The B.A. in English with a Literature Concentration has been recommended for students considering pursuit of a law degree, and as a necessary prerequisite for graduate study in English at the master's level. Literary study, critical writing, and creative writing develop deep cultural and historical knowledge necessary to complex thinking and lucid communication, as well as versatile interpretive skills essential to navigating the multimodal and intercultural communications of today's world.

The sophisticated literacy required for living and working successfully in an information-saturated world develops throughout the levels of the English Program in our composition, literature, and specialized writing courses. As part of the University's General Studies requirements, the English Program provides instruction in

English language and literature. Advanced standing may be available for ENGL 1101 and for world language (Spanish or French). Students in any major may select from a variety of courses to enhance their writing skills and knowledge of English.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Foundation Courses (6 Credit Hours)

- ENGL 2220 - World Literature I: Origins to 1650 Credit Hours: 3
- ENGL 2221 - World Literature II: 1650 to the Present Credit Hours: 3

#### Major Courses (15 Credit Hours)

- ENGL 2251 - Introduction to Literary Studies Credit Hours: 3
- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3  
OR
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3  
OR
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3374 - Shakespeare Credit Hours: 3

#### Literature Concentration (15 Credit Hours)

**Select the courses from the list below not taken in the Major**

- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3  
OR
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3  
OR
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3320 - Literary Criticism Credit Hours: 3
- ENGL 4400 - Senior Seminar Credit Hours: 3

#### And One of the Following

- ENGL 3332 - Narrative and Descriptive Writing Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 3344 - Writing Poetry Credit Hours: 3
- ENGL 3345 - Writing Fiction Credit Hours: 3
- ENGL 3349 - Advanced Technical Communication Credit Hours: 3

#### Concentration Electives (12 Credit Hours)

Select one course from each of the following categories for a total of 12 hours.

#### British Literature

- ENGL 3370 - Literature of the Middle Ages Credit Hours: 3
- ENGL 3373 - Chaucer Credit Hours: 3
- ENGL 3375 - Later Renaissance British Literature Credit Hours: 3
- ENGL 3377 - Literature of the Enlightenment Credit Hours: 3
- ENGL 3378 - British Romanticism Credit Hours: 3

- ENGL 3379 - Literature of the Victorian Period Credit Hours: 3
- ENGL 3380 - Twentieth-Century British Literature Credit Hours: 3
- ENGL 3381 - The British Novel Credit Hours: 3

### **American Literature**

- ENGL 3361 - American Romanticism Credit Hours: 3
- ENGL 3362 - American Realism and Naturalism Credit Hours: 3
- ENGL 3363 - The American Novel Credit Hours: 3
- ENGL 3365 - American Modernism Credit Hours: 3
- ENGL 3366 - Contemporary Literature Credit Hours: 3
- ENGL 3393 - Southern Literature Credit Hours: 3

### **Study of Genre**

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

### **Studies in Literature and Culture**

- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3

- ENGL 3364 - Appalachian Literature Credit Hours: 3
- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- ENGL 3396 - Literature and Film Credit Hours: 3

Degree Total = 120 Credit Hours

## **English, Writing for the Workplace Concentration, B.A.**

A Bachelor of Arts Degree in English answers to contemporary demands for flexible reading, writing, and analytical skills in private, social, and public realms, including career opportunities and graduate and professional studies. Students with English degrees in the Writing Concentration are sought across a range of employment fields, from journalism, education, publishing, and public affairs to marketing, sales, entertainment, and human resources, to name but a few. Literary study, critical writing, and creative writing develop deep cultural and historical knowledge necessary to complex thinking and lucid communication, as well as versatile interpretive skills essential to navigating the multimodal and intercultural communications of today's world.

The sophisticated literacy required for living and working successfully in an information-saturated world develops

throughout the levels of the English Program in our composition, literature, and specialized writing courses. Students in any major may select from a variety of courses to enhance their writing skills and knowledge of English.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Foundation Courses (6 Credit Hours)

- ENGL 2220 - World Literature I: Origins to 1650 Credit Hours: 3
- ENGL 2221 - World Literature II: 1650 to the Present Credit Hours: 3

#### Major Courses (15 Credit Hours)

- ENGL 2251 - Introduction to Literary Studies Credit Hours: 3
- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s Credit Hours: 3
- OR
- ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present Credit Hours: 3
- ENGL 3313 - Survey of British Literature I. Credit Hours: 3
- OR
- ENGL 3314 - Survey of British Literature II Credit Hours: 3
- ENGL 3374 - Shakespeare Credit Hours: 3

#### Concentration Courses (15 Credit Hours)

- ENGL 1103 - Technical Report Writing Credit Hours: 3

- JOUR 2245 - Reporting and Multimedia News Writing Credit Hours: 3
- JOUR 3330 - Writing for Multimedia Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 4491 - Writing Internship Credit Hours: 3
- OR
- JOUR 3343 - Journalism Internship Credit Hours: 3

#### Concentration Electives (6 Credit Hours)

Choose two of following classes:

- JOUR 2275 - Media Literacy Credit Hours: 3
- JOUR 3335 - Photojournalism and Digital Imaging Credit Hours: 3
- JOUR 3343 - Journalism Internship Credit Hours: 3
- JOUR 3350 - Participatory Journalism and Social Media Credit Hours: 3
- JOUR 3390 - Multimedia Ethics and Law Credit Hours: 3
- ENGL 3349 - Advanced Technical Communication Credit Hours: 3

Choose one class from two different elective groups (6 hours)

#### British Literature

- ENGL 3370 - Literature of the Middle Ages Credit Hours: 3
- ENGL 3373 - Chaucer Credit Hours: 3
- ENGL 3375 - Later Renaissance British Literature Credit Hours: 3
- ENGL 3377 - Literature of the Enlightenment Credit Hours: 3
- ENGL 3378 - British Romanticism Credit Hours: 3
- ENGL 3379 - Literature of the Victorian Period Credit Hours: 3

- ENGL 3380 - Twentieth-Century British Literature Credit Hours: 3
- ENGL 3381 - The British Novel Credit Hours: 3

### **American Literature**

- ENGL 3361 - American Romanticism Credit Hours: 3
- ENGL 3362 - American Realism and Naturalism Credit Hours: 3
- ENGL 3363 - The American Novel Credit Hours: 3
- ENGL 3365 - American Modernism Credit Hours: 3
- ENGL 3366 - Contemporary Literature Credit Hours: 3
- ENGL 3393 - Southern Literature Credit Hours: 3

### **Study of Genre**

- ENGL 3356 - Fantasy, Science Fiction, and Magical Realism Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- ENGL 3383 - Epic Tradition Credit Hours: 3
- ENGL 3390 - Modern Drama Credit Hours: 3
- ENGL 3391 - The Short Story Credit Hours: 3
- ENGL 3392 - Contemporary Poetry Credit Hours: 3
- ENGL 3394 - The Art of the Motion Picture Credit Hours: 3

### **Studies in Literature and Culture**

- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3355 - Young Adult Literature Credit Hours: 3
- ENGL 3364 - Appalachian Literature Credit Hours: 3

- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3386 - The Bible as Literature Credit Hours: 3
- ENGL 3387 - Folk Literature Credit Hours: 3
- ENGL 3388 - Women's Literature Credit Hours: 3
- ENGL 3389 - Minority Literature Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- ENGL 3396 - Literature and Film Credit Hours: 3

Degree Total = 120 Credit Hours

### **Exercise Science Minor**

Minor Courses (20 Credit Hours)

- PHED 1121 - Introductory Seminar in Human Movement Credit Hours: 2
- PHED 2211 - Anatomy and Physiology Credit Hours: 4
- PHED 3312 - Physiology of Exercise Credit Hours: 3
- PHED 3313 - Biomechanics Credit Hours: 3
- PHED 3316 - Fitness Assessment and Exercise Physiology Credit Hours: 3
- PHED 3318 - Sport Social Psychology Credit Hours: 3
- PHED 3360 - Strength & Conditioning Theory and Practice Credit Hours: 3

### **Exercise Science, B.S.**

The Exercise Science major integrates the theories and practicalities of exercise physiology in preparing graduates for a career in this field. This is achieved through an understanding of the science of human

movement and physiology, coupled with essential hands-on experiences that culminate in an internship in a health/fitness facility. Graduates of this major are prepared to pursue careers in athletics programs, exercise/fitness centers, hospital wellness programs, corporate fitness programs, rehabilitation centers, and allied health areas. Additionally, the program prepares students for advanced study in related fields such as exercise physiology, physical therapy, occupational therapy, etc. Students also have the opportunity to actively participate in faculty research projects, thus expanding their professional knowledge and abilities.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses (9 credit hours) satisfy both core curriculum and major requirements:

- PHED 1100 - Fitness and Wellness Credit Hours: 2
- CHEM 1101 - General Chemistry Credit Hours: 4
- PSYC 1101 - Introduction to Psychology Credit Hours: 3

#### Major Courses (55-56 Credit Hours)

- PHED 1100 - Fitness and Wellness Credit Hours: 2
  - PHED 1121 - Introductory Seminar in Human Movement Credit Hours: 2
  - PHED 2200 - Accident Analysis and Emergency Care Credit Hours: 2
  - PHED 2211 - Anatomy and Physiology Credit Hours: 4
- OR

- BIOL 1180 - Human Anatomy and Physiology (lecture) Credit Hours: 3
- AND
- BIOL 1181 - Human Anatomy and Physiology (lab) Credit Hours: 1
  - PHED 3312 - Physiology of Exercise Credit Hours: 3
  - PHED 3313 - Biomechanics Credit Hours: 3
  - PHED 3314 - Group Fitness Instruction/Programming Credit Hours: 2
  - PHED 3316 - Fitness Assessment and Exercise Physiology Credit Hours: 3
  - PHED 3317 - Clinical Applications of Exercise Physiology Credit Hours: 3
  - PHED 3318 - Sport Social Psychology Credit Hours: 3
  - PHED 3315 - Advanced Personal Training Credit Hours: 3
- OR
- PHED 3350 - Physical Activity & Fitness Education Credit Hours: 3
  - PHED 3360 - Strength & Conditioning Theory and Practice Credit Hours: 3
  - PHED 4400 - Research Methodology Credit Hours: 3
  - PHED 4410 - Research Design Seminar Credit Hours: 3
  - PHED 4420 - Exercise Science Internship Credit Hours: 3
  - NUTR 1110 - Nutrition Credit Hours: 3
  - PSYC 1101 - Introduction to Psychology Credit Hours: 3
  - HLTA 1150 - Introduction to Health Education Credit Hours: 3
  - CHEM 1101 - General Chemistry Credit Hours: 4
- OR
- CHEM 1105 - Chemical Principles Credit Hours: 5

#### Free Electives (31-35 Credit Hours)



Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Degree Total = 120 Credit Hours

### **Exercise Science; Exercise Physiology Concentration, B.S.**

The Exercise Physiology Concentration in the Exercise Science major integrates the theories and practicalities of exercise physiology in preparing graduates for a career in this field. This is achieved through an understanding of the science of human movement and physiology, coupled with essential hands-on experiences that culminate in an internship. Graduates of this major are prepared to pursue careers in athletics programs, exercise/fitness centers, hospital wellness programs, corporate fitness programs, rehabilitation centers, and allied health areas. Additionally, the program prepares students for advanced study in related fields such as exercise physiology, physical therapy, occupational therapy, etc. Students also have the opportunity to actively participate in faculty research projects, thus expanding their professional knowledge and abilities.

#### **Degree Requirements**

##### **Core Curriculum Courses (30-33 Credit Hours)**

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following courses (6-7 credit hours) satisfy both core curriculum and major requirements:

- PHED 1100 - Fitness and Wellness  
Credit Hours: 2
- CHEM 1101 - General Chemistry  
Credit Hours: 4  
OR
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- PSYC 1101 - Introduction to  
Psychology Credit Hours: 3

##### **Required Major Courses (43-44 Credit Hours)**

- NUTR 1110 - Nutrition Credit Hours:  
3  
OR
- NUTR 1145 - Sports Nutrition Credit  
Hours: 3
- HLTA 1150 - Introduction to Health  
Education Credit Hours: 3
- CHEM 1101 - General Chemistry  
Credit Hours: 4  
OR
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- PSYC 1101 - Introduction to  
Psychology Credit Hours: 3
- PHED 1100 - Fitness and Wellness  
Credit Hours: 2
- PHED 1121 - Introductory Seminar  
in Human Movement Credit Hours:  
2
- PHED 2200 - Accident Analysis and  
Emergency Care Credit Hours: 2
- PHED 2211 - Anatomy and  
Physiology Credit Hours: 4
- PHED 3312 - Physiology of  
Exercise Credit Hours: 3
- PHED 3313 - Biomechanics Credit  
Hours: 3
- PHED 3314 - Group Fitness  
Instruction/Programming Credit  
Hours: 2
- PHED 3316 - Fitness Assessment  
and Exercise Physiology Credit  
Hours: 3

- PHED 3318 - Sport Social Psychology Credit Hours: 3
- PHED 3360 - Strength & Conditioning Theory and Practice Credit Hours: 3
- PHED 4420 - Exercise Science Internship Credit Hours: 3

#### Exercise Physiology Concentration Required Courses (15 Credit Hours)

- PHED 1180 - Medical Terminology Credit Hours: 3
- PHED 3315 - Advanced Personal Training Credit Hours: 3
- PHED 3317 - Clinical Applications of Exercise Physiology Credit Hours: 3
- PHED 4400 - Research Methodology Credit Hours: 3
- PHED 4410 - Research Design Seminar Credit Hours: 3

#### Free Electives

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours= 120

### Exercise Science; Kinesiology Concentration, B.S.

The Kinesiology Concentration in the Exercise Science major will prepare students for the application of the Exercise Science degree in personal, community and corporate leisure, fitness and wellness industries, sports team applications and coaching, personal business, or outdoor recreation settings. A minor will be required which will allow students to tailor their degree to their professional goals. This major integrates the theories and

practicalities of exercise science in preparing graduates for a career in this field. This is achieved through an understanding of the science of human movement and physiology, coupled with essential hands-on experiences that culminate in an internship in a health/fitness facility.

#### Degree Requirements

##### Core Curriculum Courses (30-34 Credit Hours)

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following courses (6-7 credit hours) satisfy both core curriculum and major requirements:

- PHED 1100 - Fitness and Wellness Credit Hours: 2
- CHEM 1101 - General Chemistry Credit Hours: 4  
OR
- CHEM 1105 - Chemical Principles Credit Hours: 5
- PSYC 1101 - Introduction to Psychology Credit Hours: 3

##### Required Major Courses (40-41 Credit Hours)

- NUTR 1110 - Nutrition Credit Hours: 3  
OR
- NUTR 1145 - Sports Nutrition Credit Hours: 3
- HLTA 1150 - Introduction to Health Education Credit Hours: 3
- PSYC 1101 - Introduction to Psychology Credit Hours: 3
- CHEM 1101 - General Chemistry Credit Hours: 4  
OR
- CHEM 1105 - Chemical Principles Credit Hours: 5

- PHED 1100 - Fitness and Wellness Credit Hours: 2
- PHED 1121 - Introductory Seminar in Human Movement Credit Hours: 2
- PHED 2200 - Accident Analysis and Emergency Care Credit Hours: 2
- PHED 2211 - Anatomy and Physiology Credit Hours: 4
- PHED 3312 - Physiology of Exercise Credit Hours: 3
- PHED 3313 - Biomechanics Credit Hours: 3
- PHED 3314 - Group Fitness Instruction/Programming Credit Hours: 2
- PHED 3316 - Fitness Assessment and Exercise Physiology Credit Hours: 3
- PHED 3318 - Sport Social Psychology Credit Hours: 3
- PHED 3360 - Strength & Conditioning Theory and Practice Credit Hours: 3
- PHED 4420 - Exercise Science Internship Credit Hours: 3

#### Kinesiology Concentration Required Courses (11 Credit Hours)

- PHED 2240 - Outdoor Leisure Activities Credit Hours: 2
- PHED 3310 - Motor Behavior Credit Hours: 3
- PHED 3350 - Physical Activity & Fitness Education Credit Hours: 3
- RECR 2220 - Program Planning and Organization Credit Hours: 3

#### Kinesiology Concentration Electives (9 Credit Hours)

- PHED 2243 - Teaching Team Passing Sports Credit Hours: 3
- PHED 2244 - Teaching Wall-Net Sports Credit Hours: 3

- PHED 2246 - Teaching Striking / Target Sports Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3

#### Minor Requirement (15 - 24 Credit Hours)

Students in the Exercise Science major with a concentration in Kinesiology must complete a 15-24 credit hour minor as a degree requirement.

#### Free Electives

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours= 120

#### Folklore Studies Minor

Students interested in the study of folklore and folklife learn to examine and analyze traditional expressive culture in all its forms. In every society, agricultural and industrial, rural and urban, folklore is a vital part of life. Since folklore study deals with so many forms of human expression which are typically transmitted by tradition, it is connected to all disciplines that deal with literature, art, and music, as well as anthropology, psychology, sociology, history, philosophy, linguistics, design and pedagogy.

A folklore studies specialization prepares the student for graduate studies and professional involvement in such areas as preservation, archiving, teaching, curating, historical parks management, museum interests, entertainment, and storytelling.

This interdisciplinary academic minor can be attached to most liberal arts majors.

#### Minor Requirements (19-22 Credit Hours)

\*Only 3 hours are required in FOLK 4400 that offer the following topics in directed study.

- Appalachian African-American Lore
- Appalachian (Regional/Written) Literature and Film
- Archives/Collections Management
- Arthurian Legend: Comparative Folk Literature Study
- Children's Folklore
- Culture as Education
- Ethnography and Process and Storytelling
- Folk Arts
- Folk Dance
- Museum Studies
- Rural Education
- Traditional Folk Music, Vocal and Instrumental
- Urban and Popular Culture
- Vintage Clothing Preservation
- West Virginia Literature
- World Tale
- FOLK 2200 - Introduction to Folklore Credit Hours: 3
- FOLK 3300 - Folk Literature Credit Hours: 3
- FOLK 3301 - Material Culture Credit Hours: 3  
OR
- FOLK 2150 - Folk Arts Credit Hours: 3
- FOLK 3302 - Regional Cultural Geography and History Credit Hours: 3
- FOLK 4401 - Folklore Capstone Credit Hours: 3

Folklore Directed Study Electives (3 credit hours)

Please select one course from below:

- ENGL 3364 - Appalachian Literature Credit Hours: 3
- ENGL 3385 - The Arthurian Tradition Credit Hours: 3
- ENGL 3395 - Journeys in Comparative Mythology Credit Hours: 3
- FOLK 3320 - The Art of Storytelling in Theory and Practice Credit Hours: 3
- FOLK 3350 - Roads to Appalachia Study Abroad Credit Hours: 3
- FOLK 3361 - Introduction to Folk Music Credit Hours: 3
- FOLK 3375 - Preservation of Appalachian Culture Credit Hours: 3
- FOLK 4998 - Undergraduate Research Credit Hours: 0-6 (1-6 Credit Required)
- MUSM 1100 - Introduction to Museums Credit Hours: 3

#### Forensic Investigative Science Minor

Minor Courses (22-23 credit hours)

- BIOL 1106 - Biological Principles II Credit Hours: 4
- CHEM 1101 - General Chemistry Credit Hours: 4  
OR
- CHEM 1105 - Chemical Principles Credit Hours: 5
- CRIM 1100 - Introduction to Criminal Justice Credit Hours: 3
- CRIM 2226 - Crime Scene Investigation Credit Hours: 3  
OR
- FORS 2225 - Trace Evidence and Microscopy Credit Hours: 3

- FORS 2201 - Introduction to Forensic Science. Credit Hours: 4
- FORS 3201 - Forensic Biology Credit Hours: 4

## Forensic Science, B.S.

The Bachelor of Science degree in Forensic Science consists of courses in forensic science, biology, chemistry, mathematics, physics, and general studies courses that prepare students for graduate school and/or employment in scientific laboratories. In addition, an emphasis in biotechnology is available. Candidates for the degree must complete the Core Curriculum requirements. Students completing the requirements for the Forensic Science major will automatically earn a minor in chemistry.

For forensic science majors, the required science courses satisfy the Core Curriculum scientific discovery requirement and the required math course satisfies the General Studies math requirement. Students interested in graduate school will need to complete additional upper-level science courses. ACT prerequisites for required science and math courses are listed in the catalog under the course description for each course. Students entering with an ACT Math score of 24 or higher, two units of high school algebra, one unit of high school geometry and one unit of high school trigonometry will be prepared for all courses. Students not meeting this list of prerequisites will need to take specific additional courses and should consult with the forensic science advisor immediately.

### Degree Requirements

Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- MATH 1550 - Applied Statistics Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1105 - Principles of Physics I Credit Hours: 5

### Major Courses (76-78 Credit Hours)

- BIOL 1106 - Biological Principles II Credit Hours: 4
- BIOL 3360 - Biochemistry Credit Hours: 4
- BIOL 3380 - Genetics Credit Hours: 4
- BIOL 3390 - Molecular Biotechnology Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- CHEM 2200 - Foundational Biochemistry Credit Hours: 4
- CHEM 2201 - Organic Chemistry I Credit Hours: 4
- CHEM 2202 - Organic Chemistry II Credit Hours: 4
- CHEM 2205 - Analytical Chemistry Credit Hours: 4
- CHEM 3315 - Instrumental Analysis Credit Hours: 4
- FORS 2201 - Introduction to Forensic Science. Credit Hours: 4
- FORS 2225 - Trace Evidence and Microscopy Credit Hours: 3
- FORS 3201 - Forensic Biology Credit Hours: 4
- FORS 3385 - Research and Design Credit Hours: 3
- FORS 4401 - Capstone Seminar in Forensic Science Credit Hours: 3

- FORS 4411 - Forensic Science Internship Credit Hours: 2
- MATH 1550 - Applied Statistics Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4
- PHYS 1101 - Introduction to Physics I Credit Hours: 4  
OR
- PHYS 1105 - Principles of Physics I Credit Hours: 5
- PHYS 1102 - Introduction to Physics II Credit Hours: 4  
OR
- PHYS 1106 - Principles of Physics II Credit Hours: 5

#### Major Electives (8 Credit Hours)

Students must choose 8 credit hours from the 3000 and 4000 level courses below.

- FORS 3215 - Fingerprint Analysis Credit Hours: 2
- FORS 3225 - Forensic Taphonomy Credit Hours: 2
- FORS 3301 - Human Osteology Credit Hours: 4
- FORS 3305 - Forensic Anthropology Credit Hours: 4
- FORS 3310 - Forensic Toxicology Credit Hours: 4
- CHEM 3301 - Physical Chemistry I Credit Hours: 4
- CHEM 3304 - Inorganic Chemistry Credit Hours: 4
- CHEM 4404 - Synthetic Methods and Materials Credit Hours: 4
- CHEM 4412 - Physical Chemistry II Credit Hours: 4

#### Free Electives

Students must complete 9 - 12 credit hours of "free" electives to complete the total degree requirements. Choosing higher-credit hour alternatives in the major

curriculum reduces the minimum number of free elective credit hours required to reach 120 credit hours.

**Degree Total = 120 Credit Hours**

#### French Minor

French is a language of growing importance in our globally-connected world. The French program at Fairmont State focuses on the development of a comparative critical perspective through the study of language, culture, communication, and context. As students learn about cultures of the Francophone world, from Africa and the Americas to Europe and the Indian Ocean, they also understand their own story more clearly. Learning to communicate in another language and developing intercultural knowledge involves understanding similarity and difference at the same time. This type of complex thinking is a desirable skill in many areas of the professional world. Employers seek out students who are multilingual, with concrete international experience, because of the maturity and skillset these students demonstrate. Training in French and cultural studies lays a strong groundwork for students = future lives as global citizens and innovators in many fields. Innovation coincides with an expanding network of knowledge and contacts. French is also an important language of diplomacy and international organizations.

French students are encouraged to study abroad through a variety of programs. French minors gain competence in global studies with a French-language focus, and have successfully combined the program with majors in other programs across campus.

### Minor Courses (9 Credit Hours)

18 credit hours at or above FREN 1102

- FREN 1102 - Elementary French II  
Credit Hours: 3
- FREN 2201 - Intermediate French I  
Credit Hours: 3
- FREN 2202 - Intermediate French II  
Credit Hours: 3

### Minor Electives (9 Credit Hours)

Choose from the list below:

- FREN 1199 - Special Topics in French  
Credit Hours: 1-12 (3 Credits Required)
- FREN 2220 - Intermediate Topics in French  
Credit Hours: 3
- FREN 3310 - Advanced Topics in French  
Credit Hours: 3
- FREN 3311 - French Composition and Conversation I  
Credit Hours: 3
- FREN 3312 - French Composition and Conversation II  
Credit Hours: 3
- FREN 3315 - French Film (3)
- FREN 3321 - Contemporary Literature  
Credit Hours: 3
- FREN 3326 - Media Studies in French  
Credit Hours: 3
- FREN 4420 - Francophone Cultures in the Americas  
Credit Hours: 3
- FREN 4430 - Business French (3)
- FREN 4431 - Methods and Materials in Teaching French  
Credit Hours: 3
- FREN 4998 - Undergraduate Research  
Credit Hours: 0-6 (3 Credits Required)

## Game Design Minor

Minor Courses (26 Credit Hours)

- GRFX 1113 - Multimedia Concepts  
Credit Hours: 3

- GRFX 1222 - Internet Animation  
Credit Hours: 3
- COMP 1120 - Principles of Programming I  
Credit Hours: 3
- COMP 1130 - Principles of Programming II  
Credit Hours: 4
- GRFX 3131 - Motion Graphics I  
Credit Hours: 3
- GRFX 4143 - Motion Graphics II  
Credit Hours: 3
- COMP 2203 - Introduction to Game Principles  
Credit Hours: 3  
OR
- GRFX 2203 - Introduction to Game Principles  
Credit Hours: 3
- COMP 4460 - Game Design and Implementation  
Credit Hours: 4  
OR
- GRFX 4460 - Game Design and Implementation  
Credit Hours: 4

## General Science Grades 5-Adult Specialization, B.A.

### TEACHING SPECIALIZATION ONLY

A general science specialization for grades 5-adult is offered for the B.A. in Education degree, in conjunction with the College of Education, Health and Human Performance. This specialization is typically chosen to accompany one of the discipline-based science specializations, such as the biology, chemistry, Earth and space science, or physics specialization.

### Degree Requirements

#### Core Curriculum (16 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For student in this major, the following course will satisfy both major and core curriculum requirement: ENGL 1102, COMM 2200, MATH 1540, BIOL 1105, EDUC 2201

### Professional Education (49 Credit Hours)

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to  
Education Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional  
Technology Credit Hours: 3
- EDUC 2203 - Human Development,  
Learning & Teaching Credit Hours:  
3
- EDUC 2240 - High Incidence  
Disabilities for Educators Credit  
Hours: 3
- EDUC 2241 - Field Experience 2:  
The Learner and Learning  
Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the  
Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4:  
Disciplinary Literacy and  
Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom  
Practices for Individual Differences  
Credit Hours: 3
- EDUC 4480 - Teacher Performance  
Assessment Seminar Credit Hours:  
2
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10

### General Science Program (51 Credit Hours)

\*All courses and Praxis II Exam must be completed prior to admission to Secondary Student Teaching.

- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- BIOL 1106 - Biological Principles II  
Credit Hours: 4
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- CHEM 2200 - Foundational  
Biochemistry Credit Hours: 4
- COMM 2200 - Introduction to  
Human Communication Credit  
Hours: 3
- GEOL 1102 - Historical Geology  
Credit Hours: 4
- GEOL 1101 - Physical Geology  
Credit Hours: 4
- GEOS 3100 - Informal Science Field  
Experience Credit Hours: 1
- MATH 1540 - Trigonometry Credit  
Hours: 3
- PHSC 4430 - Science Integration  
Seminar Credit Hours: 1
- PHSC 4431 - Methods and  
Materials in Teaching Science  
Credit Hours: 3
- PHYS 1101 - Introduction to Physics  
I Credit Hours: 4  
OR
- PHYS 1001 - General Physics I  
Credit Hours: 4
- PHYS 1002 - General Physics II  
Credit Hours: 4  
OR
- PHYS 1102 - Introduction to Physics  
II Credit Hours: 4
- PHYS 2202 - Astronomy Credit  
Hours: 3
- SCIE 1120 - Introduction to  
Meteorology Credit Hours: 4

### Free Electives (4 Credit Hours)



Students must complete 4 credit hours of electives to complete degree requirements.

Degree Total = 120 Credit Hours

## Geographic Information Science Minor (GISc)

Fairmont State University students may specialize in Geographic Information Science (GISc) and spatial analysis by completing a Minor in Geographic Information science. Considered a bridge discipline, the minor offers students in all fields the opportunity to add a competitive big data minor to their current area of study with the addition of geospatial analysis, spatial literacy communication, and cartographic mapping skills to their current area of study. There are no prerequisites or advanced technical knowledge needed for this minor, but students should possess a willingness to learn technological skills.

### Required Courses (12 Credit Hours)

- GEOG 2210 Introduction to Geography (3)
- GEOG 2213 History of Modern Geography Methods (3)
- GEOG 3316 Introduction to Geospatial Methods (3)
- GEOG 4490 Geographic Information Science Capstone (3)

### Geography Elective Courses (3 credit hours)

Note: (e.g., select one course from the list below)

- GEOG 1199 Special Topics in Geography (3)
- GEOG 3399 Cartography: Maps & Diagrams (3)

- GEOG 3305 Economic Geography (3)
- GEOG 3315 Urban Geography (3)
- GEOG 3317 Advanced Geospatial Methods (3)
- GEOG 3330 Geography of North America (3)
- GEOG 3340 Geography of Europe (3)
- GEOG 3350 Geography of Latin America (3)
- GEOG 3360 Geography of Africa (3)
- GEOG 3370 Geography of Asia (3)

Note: Choose 1 course from a group below

### Liberal Arts Electives

Note: (if applicable)

- CRIM 1100 Introduction to Criminal Justice (3)
- CRIM 1101 Police Operations (3)
- CRIM 2202 Principles of Criminal Law (3)
- CRIM 2206 Introduction to Corrections (3)
- CRIM 2212 Deviant Behavior (3)
- CRIM 2250 Cybercrime (3)
- CRIM 2295 Ethics in Criminal Justice (3)
- CRIM 3302 Criminal Justice Spanish (3)
- CRIM 3305 Changing Role of Women in Criminal Justice (3)
- CRIM 3306 Scientific Basics of Fingerprints (3)
- CRIM 3310 Comparative Criminal Justice (3)
- CRIM 3311 Juvenile Justice (3)
- CRIM 3325 Analysis of Security Operations (3)
- CRIM 3370 Economic Crime (3)
- CRIM 3375 Victimology (3)

- CRIM 3380 Mock Trial (3)
  - CRIM 3385 Racial Profiling (3)
  - CRIM 3390 Forensic Psychology (3)
  - CHEP 1110 Nutrition & Health Promotion (3)
  - CHEP 4410 Public Health Policy Seminar (3)
  - ENGL 1102 Written English II (3)
  - FOLK 3302 Regional Cultural Geography and History (3)
  - HIST 1107 United States History I (3)
  - HIST 1108 United States History II (3)
  - HIST 2211 World Civilizations I (3)
  - HIST 2212 World Civilizations II (3)
  - HIST 2213 World Civilizations III (3)
  - MUSM 1100 Introductions to Museums (3)
  - MUSM 3301 Material Culture (3)
  - NSIS 3300 Intelligence Research (3)
  - PHIL 1150 Theories of Human Nature (3)
  - POLI 1100 American Government (3)
  - POLI 2200 Introduction to Political Science (3)
  - POLI 2210 Principles of International Relations (3)
  - POLI 2220 Comparative Government (3)
  - POLI 3300 Public Administration (3)
  - POLI 3302 State and Local Government (3)
  - POLI 3311 Global Affairs (3)
  - POLI 3350 International Law and Organizations (3)
  - POLI 3360 Future Global Crises (3)
  - POLI 3370 World Religions and Politics (3)
  - POLI 3385 Politics in Film and Fiction (3)
  - POLI 3390 Law and the Legal System (3)
  - POLI 4405 Terrorism (3)
  - POLI 4415 International Problems (3)
  - POLI 4420 Supreme Court of the United States (3)
  - PSYC 1101 Introduction to Psychology (3)
  - SOCY 1110 Introductory Sociology (3)
  - SOCY 2200 Social Problems (3)
  - SOCY 2205 Principles of Race, Class, and Gender (3)
  - SOCY 3350 Sociology of Religion (3)
- Science and Technology Electives**
- Note: (e.g., Choose 1 class from a category below)
- ARCH 2010 Architectural History I (3)
  - ARCH 3010 Sustainable Design (3)
  - ARCH 3085 Architecture Study + Travel
  - ART 1120 Art Appreciation (3)
  - COMP 1100 Introduction to Computing (3)
  - COMP 1110 Introduction to Programming (3)
  - GRFX 1111 Imaging I Foundations (3)
  - GRFX 1113 Multimedia Concepts
  - SCIE 1107 Geographic Information Systems (4)
  - SCIE 1120 Introduction to Meteorology (4)
- Total Credit Hours = 18 Credit Hours**
- Graphic Design Minor**
- Minor Courses (18 Credit Hours)**
- GRFX 1111 - Imaging I Foundations  
Credit Hours: 3

- GRFX 1220 - Master Document / Design Credit Hours: 3
- GRFX 1222 - Internet Animation Credit Hours: 3
- GRFX 2121 - Graphic Design I Foundations Credit Hours: 3
- GRFX 2222 - Typography I Foundations Credit Hours: 3
- GRFX 3230 - Interactive and Multimedia Design Credit Hours: 3

#### Minor Elective Courses (3 Credit Hours)

Select one:

- GRFX 1113 - Multimedia Concepts Credit Hours: 3
- GRFX 2125 - History of Graphic Design Credit Hours: 3
- GRFX 2123 - Photography I Foundations Credit Hours: 3
- GRFX 4242 - Career & Portfolio Development Credit Hours: 3

### Graphic Design, B.S.

The Graphic Design (GD) program at Fairmont State prepares students for careers in the expanding graphic design industry and graduate studies.

The Bachelor of Science degree provides students with a program structure that includes design, conceptual thinking and current technology for 1) print, packaging and digital delivery; 2) interactive and multimedia design, including responsive web site design; and 3) motion graphics including studies in kinetic typography. The program objective is for our students to be proficient in these skills and compete for professional positions upon graduation or further studies in graduate programs.

Graduates from our GD program are qualified for entry-level positions as Art Directors, Web Designers, and Multi-

Multimedia artists and animators. According to the December 2015 US Bureau of Labor Statistics, these starting positions range in salary from about \$64K to \$89K and the projected growth is on par with the national average of six percent. Some recent reports have web designers projected higher due to the growing need in many fields for this expertise. Graduates may also pursue further study in animation for careers in commercials, television, video game design, and feature films. Post-Graduate studies in the visual communication field could lead to university-level teaching positions.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Major Courses (73 Credit Hours)

- ARCH 1000 - Design Fundamentals I Credit Hours: 4
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3
- COMP 1110 - Introduction to Programming Credit Hours: 3
- GRFX 1111 - Imaging I Foundations Credit Hours: 3
- GRFX 1113 - Multimedia Concepts Credit Hours: 3
- GRFX 1220 - Master Document / Design Credit Hours: 3
- GRFX 1222 - Internet Animation Credit Hours: 3
- GRFX 2121 - Graphic Design I Foundations Credit Hours: 3
- GRFX 2123 - Photography I Foundations Credit Hours: 3
- GRFX 2125 - History of Graphic Design Credit Hours: 3

- GRFX 2220 - Information Graphics  
Credit Hours: 3
- GRFX 2222 - Typography I  
Foundations Credit Hours: 3
- GRFX 3131 - Motion Graphics I  
Credit Hours: 3
- GRFX 3133 - Typography II  
Branding & Identity Design Credit  
Hours: 3
- GRFX 3230 - Interactive and  
Multimedia Design Credit Hours: 3
- GRFX 3232 - Photography II Studio  
& Video Tech Credit Hours: 3
- GRFX 3234 - Multipage Documents  
and Design Credit Hours: 3
- GRFX 4141 - Graphic Design  
Senior Seminar Credit Hours: 3
- GRFX 4143 - Motion Graphics II  
Credit Hours: 3
- GRFX 4145 - Exhibition Design &  
Development / Senior Show Credit  
Hours: 3
- GRFX 4240 - Graphic Design.  
Applied Theory Credit Hours: 3
- GRFX 4242 - Career & Portfolio  
Development Credit Hours: 3
- GRFX 4244 - Senior Internship  
Credit Hours: 3

Degree Total = 120 Credit Hours

### Healthcare Management Minor

This minor addresses conceptual, interpersonal and business skills associated with management careers in healthcare organizations. Skill sets acquired focus on critical strategic consideration for health systems, legal/regulatory environment required for cost-effective, high-quality care delivery, policy and regulatory compliance, and financial management of healthcare organizations. The content builds expert knowledge including operations, human resources, patient advocacy, population, health, and information systems. It also emphasizes

challenges of strategic leadership for patient-centered care of diverse populations. This minor consists of seven three credit hour hybrid 1 courses. Hybrid 1 courses have 75% of the content delivered on line and 25% in scheduled sessions with instructor during the semester.

#### Minor Courses (21 Credit Hours)

- HCMG 2201 - U.S. Healthcare  
Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance  
Credit Hours: 3
- HCMG 2231 - Population Health  
Credit Hours: 3
- HCMG 3331 - Health Information  
Exchange Credit Hours: 3
- HCMG 3333 - Quality Management  
in a Regulatory Environment Credit  
Hours: 3
- HCMG 4000 - Managing the Post-  
Acute Healthcare Continuum Credit  
Hours: 3
- HCMG 4400 - Healthcare Policy  
Credit Hours: 3

### Healthcare Management, B.S.

The Bachelor of Science in Healthcare Management is a comprehensive program designed to provide health professionals with the education to become administrators in health care agencies. The curriculum is directed toward developing the management, problem-solving, finance, and interpersonal skills essential for careers in a variety of health care organizations. An additional intent of the program is to provide career advancement opportunities for those who are already employed in health care organizations.

Students wishing to enroll in Healthcare Management courses are encouraged to complete the Core

Curriculum requirements and required support courses prior to enrolling in the HCMG courses.

## Degree Requirements

### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

### Foundational Courses (15 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BSBA 2201 - Principles of Accounting I Credit Hours: 3
- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3  
OR
- PSYC 2240 - Behavioral Statistics Credit Hours: 3  
OR
- MATH 1530 - College Algebra Credit Hours: 3

### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3

- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3  
OR Higher Math\*  
\*Students planning to enter a graduate program in business are strongly encouraged to take MATH 2501 (Calculus I) in lieu of MATH 1530. MATH 1530 also fulfills a Core Curriculum requirement.

### Major Courses (24 Credit Hours)

- HCMG 2201 - U.S. Healthcare Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance Credit Hours: 3
- HCMG 2231 - Population Health Credit Hours: 3
- HCMG 3331 - Health Information Exchange Credit Hours: 3
- HCMG 3333 - Quality Management in a Regulatory Environment Credit Hours: 3
- HCMG 4000 - Managing the Post-Acute Healthcare Continuum Credit Hours: 3
- HCMG 4400 - Healthcare Policy Credit Hours: 3

- HCMG 4450 - Healthcare Management Capstone Credit Hours: 3

#### Free Elective (12-15 Credit Hours)

Students must complete 12 -15 credit hours of electives to complete degree requirements.

Degree Total = 120 Credit Hours

### **Healthcare Management; Health Information Technology Concentration, B.S.**

#### Degree Requirements

#### Core Curriculum Courses

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

- BSBA 1100
- BSBA 2211
- BISM 1200
- MATH 1530

#### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 1100 - Business Onboarding Course Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3

- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3

#### **Healthcare Management Major Courses (33 Credit Hours)**

- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- HCMG 2201 - U.S. Healthcare Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance Credit Hours: 3
- HCMG 2231 - Population Health Credit Hours: 3
- HCMG 3331 - Health Information Exchange Credit Hours: 3
- HCMG 3333 - Quality Management in a Regulatory Environment Credit Hours: 3
- HCMG 4000 - Managing the Post-Acute Healthcare Continuum Credit Hours: 3
- HCMG 4400 - Healthcare Policy Credit Hours: 3

- HCMG 4450 - Healthcare Management Capstone Credit Hours: 3

#### Concentration Courses (12 Credit Hours)

- BISM 2400 - Operating Systems Concepts Across the Enterprise Credit Hours: 3
- BISM 2600 - Introduction to Networking Administration Credit Hours: 3
- BISM 3400 - Database Design and Development Credit Hours: 3
- BISM 3500 - Fundamentals of SDLC Methodologies Credit Hours: 3
- BISM 4600 - Information Assurance and Cybersecurity Credit Hours: 3

#### Free Electives (6 Credit Hours)

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours=120

### Healthcare Management; Healthcare Marketing Concentration, B.S.

#### Degree Requirements

#### Core Curriculum Courses

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

- BSBA 1100
- BSBA 2211
- BISM 1200

- MATH 1530

#### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 1100 - Business Onboarding Course Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3

#### Healthcare Management Major Courses (33 Credit Hours)

- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3

- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- HCMG 2201 - U.S. Healthcare Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance Credit Hours: 3
- HCMG 2231 - Population Health Credit Hours: 3
- HCMG 3331 - Health Information Exchange Credit Hours: 3
- HCMG 3333 - Quality Management in a Regulatory Environment Credit Hours: 3
- HCMG 4000 - Managing the Post-Acute Healthcare Continuum Credit Hours: 3
- HCMG 4400 - Healthcare Policy Credit Hours: 3
- HCMG 4450 - Healthcare Management Capstone Credit Hours: 3

#### **Healthcare Marketing Concentration (12 Credit Hours)**

- MKTG 3340 - Marketing Research Credit Hours: 3
- MKTG 3310 - Consumer Behavior Credit Hours: 3
- MKTG 3320 - Advertising and Sales Promotion Credit Hours: 3
- MKTG 3399 - Special Topics in Marketing Credit Hours: 1-6

#### **Free Electives (6 Credit Hours)**

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours = 120

## **Healthcare Management; Non-Profit Leadership Concentration, B.S.**

### **Degree Requirements**

#### **Core Curriculum Courses**

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

- BSBA 1100
- BSBA 2211
- BISM 1200
- MATH 1530

#### **Business Core Courses (48 Credit Hours)**

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 1100 - Business Onboarding Course Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3



- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3

#### Healthcare Management Major Courses (33 Credit Hours)

- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- HCMG 2201 - U.S. Healthcare Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance Credit Hours: 3
- HCMG 2231 - Population Health Credit Hours: 3
- HCMG 3331 - Health Information Exchange Credit Hours: 3
- HCMG 3333 - Quality Management in a Regulatory Environment Credit Hours: 3
- HCMG 4000 - Managing the Post-Acute Healthcare Continuum Credit Hours: 3
- HCMG 4400 - Healthcare Policy Credit Hours: 3
- HCMG 4450 - Healthcare Management Capstone Credit Hours: 3

#### Concentration Courses (12 Credit Hours)

- MGMT 3350 - Small Business Management Credit Hours: 3
- BSBA 3307 - Business Law II Credit Hours: 3

- BSBA 3330 - Leadership Credit Hours: 3
- FINC 3385 - Analyzing Financial Statements Credit Hours: 3
- CHEP 4450 - Program Funding & Administration Credit Hours: 3

#### Free Electives (6 Credit Hours)

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours = 120

### Healthcare Management; Wellness Leadership Concentration, B.S.

#### Degree Requirements

#### Core Curriculum Courses

For details on the required courses, refer to the University Core Curriculum program. For students in this major, the following course satisfies both core curriculum and major requirements:

- BSBA 1100
- BSBA 2211
- BISM 1200
- MATH 1530

#### Business Core Courses (48 Credit Hours)

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BSBA 1100 - Business Onboarding Course Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3

- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 2800 - Business Communications in a Digital Age Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 4415 - Strategic Management and Policy Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- MATH 1530 - College Algebra Credit Hours: 3

#### Healthcare Management Major Courses (33 Credit Hours)

- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3
- HCMG 2201 - U.S. Healthcare Systems Credit Hours: 3
- HCMG 2221 - Healthcare Finance Credit Hours: 3
- HCMG 2231 - Population Health Credit Hours: 3
- HCMG 3331 - Health Information Exchange Credit Hours: 3
- HCMG 3333 - Quality Management in a Regulatory Environment Credit Hours: 3

- HCMG 4000 - Managing the Post-Acute Healthcare Continuum Credit Hours: 3
- HCMG 4400 - Healthcare Policy Credit Hours: 3
- HCMG 4450 - Healthcare Management Capstone Credit Hours: 3

#### Concentration Courses (12 Credit Hours)

- PHED 2240 - Outdoor Leisure Activities Credit Hours: 2
- NUTR 1110 - Nutrition Credit Hours: 3
- NUTR 2220 - Nutrition Therapy Credit Hours: 3
- RECR 2220 - Program Planning and Organization Credit Hours: 3
- RECR 3330 - Group Leadership Credit Hours: 3

#### Free Electives (6 Credit Hours)

Total elective credit is determined by Core Curriculum courses taken, degree type selected, and any additional prerequisite courses needed. Please consult your Advisor for details.

Total Credit Hours = 120

#### History Minor (18 Credit Hours)

##### Minor Courses (9 Credit Hours)

Students will complete at least three of the courses listed below.

- HIST 1107 - United States History I Credit Hours: 3
- HIST 1108 - United States History II Credit Hours: 3
- HIST 2211 - World Civilizations I Credit Hours: 3
- HIST 2212 - World Civilizations II Credit Hours: 3

- HIST 2213 - World Civilizations III  
Credit Hours: 3

### Advanced Electives (9 Credit Hours)

Students will complete at least 9 additional credit hours in 3000-4000 level history classes.

## History, B.A.

Every person, every place, everything on earth has a history, a story of its past that can help us understand human existence and human behavior. The History Program's major and minor draw upon a broad curriculum that encompasses regional, national, and international history, as well as such special topics as the revolutions in history and diplomatic history. The History Program offers two types of majors. The Bachelor of Arts degree has the traditional emphasis on language skills, especially through study of a foreign language. It is a good choice for students thinking about postgraduate study. The Bachelor of Science degree develops basic capabilities in statistics and computer science. It is a good choice for students interested in the modern social science approach to historical understanding.

The great advantages of historical study are:

1. Emphasis on developmental and evolutionary aspects of human experience.
2. Examination of many different fields of human activity.
3. Use of insights and methods of many other fields.

Students completing a bachelor's degree in history may enter professional practice in academic history (teaching and writing),

public history (archives and special research, consultancy) or publishing (print, electronic, film and television documentary). The history major also provides excellent preparation for careers in law, government, politics, foreign service, historical preservation and journalism.

### Degree Requirements

#### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (21 Credit Hours)

- HIST 1107 - United States History I  
Credit Hours: 3
- HIST 1108 - United States History II  
Credit Hours: 3
- HIST 2211 - World Civilizations I  
Credit Hours: 3
- HIST 2212 - World Civilizations II  
Credit Hours: 3
- HIST 2213 - World Civilizations III  
Credit Hours: 3
- HIST 2250 - The Historian's Craft  
Credit Hours: 3
- HIST 4498 - Senior Seminar Credit Hours: 3

#### Major Electives (27 Credit Hours)

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

- HIST 3302 - West Virginia Credit Hours: 3
- HIST 3305 - History of National Security and Intelligence Credit Hours: 3

- HIST 3310 - Diplomatic and Military History of the United States Credit Hours: 3
- HIST 3314 - History of the American Revolution Credit Hours: 3
- HIST 3312 - Colonial America Credit Hours: 3
- HIST 3316 - The Early Republic Credit Hours: 3
- HIST 3317 - Civil War and Reconstruction Credit Hours: 3
- HIST 3320 - Gilded Age and Progressive Era Credit Hours: 3
- HIST 3322 - Modern American History from 1920-1960 Credit Hours: 3
- HIST 3324 - Recent America from 1960 to the Present Credit Hours: 3
- HIST 3333 - Women in American History Credit Hours: 3
- HIST 3335 - Women in World History Credit Hours: 3
- HIST 3340 - Popular Culture in Modern American History Credit Hours: 3
- HIST 3344 - African-American History and Culture Credit Hours: 3
- HIST 3351 - History of England Credit Hours: 3
- HIST 3352 - History of Russia Credit Hours: 3
- HIST 4405 - History of Africa Credit Hours: 3
- HIST 4410 - History of Asia Credit Hours: 3
- HIST 4415 - History of the Middle East: Muhammad to the Present Credit Hours: 3
- HIST 4421 - Colonial Latin American History Credit Hours: 3
- HIST 4422 - Modern Latin American History Credit Hours: 3
- HIST 4425 - Medieval Europe Credit Hours: 3
- HIST 4429 - Early Modern Europe Credit Hours: 3
- HIST 4430 - 19th Century Europe Credit Hours: 3

- HIST 4431 - Recent Europe Credit Hours: 3
- HIST 4450 - History of American Sexualities Credit Hours: 3
- HIST 4455 - Revolutions in History Credit Hours: 3
- HIST 4475 - Philosophy of History Credit Hours: 3
- HIST 4499 - Selected Topics Credit Hours: 3

#### Foreign Language Requirements (12 Credit Hours)

Department permission to substitute 12 hours of other language study

- FREN 1101 - Elementary French I Credit Hours: 3 AND
- FREN 1102 - Elementary French II Credit Hours: 3 AND
- FREN 2201 - Intermediate French I Credit Hours: 3 AND
- FREN 2202 - Intermediate French II Credit Hours: 3  
OR
- SPAN 1101 - Elementary Spanish I Credit Hours: 3 AND
- SPAN 1102 - Elementary Spanish II Credit Hours: 3 AND
- SPAN 2201 - Intermediate Spanish I Credit Hours: 3 AND
- SPAN 2202 - Intermediate Spanish II Credit Hours: 3

#### Free Electives (26-30 Credit Hours)

Degree Total = 120 Credit Hours

#### Academic Advising

Students are encouraged to work with their advisor to ensure any electives are in line with the student's career goals. Students will determine in consultation with an advisor whether the pursuit of a double major or minor(s) would be appropriate. Majors/minors that complement a history

degree well and are commonly pursued by history students include, but are not limited to: Social Studies Education, National Security and Intelligence, Political Science, English, Museum Studies (minor only), Women's and Gender Studies (minor only), Philosophy (minor only).

## History, B.S.

Every person, every place, everything on earth has a history, a story of its past that can help us understand human existence and human behavior. The History Program's major and minor draw upon a broad curriculum that encompasses regional, national, and international history, as well as such special topics as the revolutions in history and diplomatic history. The History Program offers two types of majors. The Bachelor of Arts degree has the traditional emphasis on language skills, especially through study of a foreign language. It is a good choice for students thinking about postgraduate study. The Bachelor of Science degree develops basic capabilities in statistics and computer science. It is a good choice for students interested in the modern social science approach to historical understanding.

The great advantages of historical study are:

1. Emphasis on developmental and evolutionary aspects of human experience.
2. Examination of many different fields of human activity.
3. Use of insights and methods of many other fields.

Students completing a bachelor's degree in history may enter professional practice in academic history (teaching and writing),

public history (archives and special research, consultancy) or publishing (print, electronic, film and television documentary). The history major also provides excellent preparation for careers in law, government, politics, foreign service, historical preservation and journalism.

## Degree Requirements

### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

### Major Courses (21 Credit Hours)

- HIST 1107 - United States History I  
Credit Hours: 3
- HIST 1108 - United States History II  
Credit Hours: 3
- HIST 2211 - World Civilizations I  
Credit Hours: 3
- HIST 2212 - World Civilizations II  
Credit Hours: 3
- HIST 2213 - World Civilizations III  
Credit Hours: 3
- HIST 2250 - The Historian's Craft  
Credit Hours: 3
- HIST 4498 - Senior Seminar  
Credit Hours: 3

### Major Electives (27 Credit Hours)

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

- HIST 3302 - West Virginia  
Credit Hours: 3
- HIST 3305 - History of National Security and Intelligence  
Credit Hours: 3

- HIST 3310 - Diplomatic and Military History of the United States Credit Hours: 3
- HIST 3314 - History of the American Revolution Credit Hours: 3
- HIST 3312 - Colonial America Credit Hours: 3
- HIST 3316 - The Early Republic Credit Hours: 3
- HIST 3317 - Civil War and Reconstruction Credit Hours: 3
- HIST 3320 - Gilded Age and Progressive Era Credit Hours: 3
- HIST 3322 - Modern American History from 1920-1960 Credit Hours: 3
- HIST 3324 - Recent America from 1960 to the Present Credit Hours: 3
- HIST 3333 - Women in American History Credit Hours: 3
- HIST 3335 - Women in World History Credit Hours: 3
- HIST 3340 - Popular Culture in Modern American History Credit Hours: 3
- HIST 3344 - African-American History and Culture Credit Hours: 3
- HIST 3351 - History of England Credit Hours: 3
- HIST 3352 - History of Russia Credit Hours: 3
- HIST 4405 - History of Africa Credit Hours: 3
- HIST 4410 - History of Asia Credit Hours: 3
- HIST 4415 - History of the Middle East: Muhammad to the Present Credit Hours: 3
- HIST 4421 - Colonial Latin American History Credit Hours: 3
- HIST 4422 - Modern Latin American History Credit Hours: 3
- HIST 4425 - Medieval Europe Credit Hours: 3
- HIST 4429 - Early Modern Europe Credit Hours: 3
- HIST 4430 - 19th Century Europe Credit Hours: 3

- HIST 4431 - Recent Europe Credit Hours: 3
- HIST 4450 - History of American Sexualities Credit Hours: 3
- HIST 4455 - Revolutions in History Credit Hours: 3
- HIST 4475 - Philosophy of History Credit Hours: 3
- HIST 4499 - Selected Topics Credit Hours: 3

#### Additional Requirements (9 Credits Hours)

\*NOTE: none of these may be used to fulfill the General Studies requirements

- SOCY 2240 - Behavioral Statistics Credit Hours: 3
- OR
- PSYC 2240 - Behavioral Statistics Credit Hours: 3

#### Two Courses from the Following List:

Students Must Choose Two Courses from the Following List:

- BSBA 2200 - Economics Credit Hours: 3
- GEOG 2210 - Introduction to Geography Credit Hours: 3
- PHIL 2275 - Introduction to Logic and Critical Reasoning Credit Hours: 3
- PHIL 3325 - Ethics Credit Hours: 3
- POLI 2200 - Introduction to Political Science Credit Hours: 3
- POLI 3395 - Constitutional Law Credit Hours: NO CREDITS
- PSYC 2220 - History and Systems of Psychology Credit Hours: 3
- PSYC 2230 - Social Psychology Credit Hours: 3
- OR
- SOCY 2230 - Social Psychology Credit Hours: 3
- SOCY 2205 - Principles of Race, Class, and Gender Credit Hours: 3

- SOCY 3301 - Cultural Anthropology  
Credit Hours: 3

Degree Total = 120 Credit Hours

## Honors Program

### Mission of the Honors Program

The Honors Program seeks to enhance and deepen the education of bright students by increasing their analytic skills, providing them with classroom experiences that encourage them to take charge of their education, helping them to undertake international travel, and supporting them on the path to wisdom. The Program encourages higher rates of retention and graduation as well as acceptance into graduate and professional schools.

### Honor Program Overview

Participating in the Honors Program at Fairmont State University provides high-achieving students with a richer, more complete academic experience while in college. With academic opportunities, a close-knit community, and many other benefits, becoming a part of Honors will be a life-changing decision.

This enriching program includes priority registration, smaller class sizes, the chance at leadership positions, volunteer projects, a dedicated computer lab, a mentoring program, an annual trip to Washington, D.C., unique study abroad opportunities, and an array of activities and events. Honors students also have, because of their smaller class sizes, the advantage of getting to know their professors on a more personal level.

By joining the Honors Program, you are connecting with a group of diverse people, who come together with the common

desire to pursue beyond the bare minimum of learning and thinking.

### Admission Requirements

- **First-year students** are required to have a minimum ACT composite score of 26 or an SAT (new) score of 1180.
- **Full-time students**, who have completed 15 credit hours with a 3.4 GPA, are required to have a composite ACT score of 24 or an SAT (new) score of 1110.
- **Transfer students** with at least a 3.4 GPA from an accredited college and who are transferring no more than 36 hours are required to have a composite ACT score of 24 or an SAT (new) score of 1110.

### Facilities and Opportunities Available

Honors students may make use of the Honors lab in 231 Turley Center. Honors students are also eligible to live in and participate in activities at Prichard Hall, which houses the Honors LLC.

### Scholarships and Funding

Students who are eligible for the Honors Program typically qualify for the West Virginia PROMISE Scholarship as well as for prestigious scholarships, such as the competitive Charles J. McClain Presidential Scholarship.

### Benefits for Honors Students

In addition to smaller classes, closer contact with faculty, and thought-provoking classes, students in Honors at Fairmont State enjoy other advantages and benefits, such as:

- **Membership in the Honors Association**

- The association fosters friendships among Honors students and provides both academic and social support to members. Monthly meetings include lunch, socializing, and presentations.
- **Working with a Peer Mentor**
  - In your first year, you will be assigned a peer mentor, usually someone with the same major as you. Mentors help first-year students become familiar with the campus. They are available to help first-year students with questions about classes and academic procedures.
- **Access to the Honors Lab**
  - Located in 231 Turley Center, the Honors lab is equipped with six computers and a printer for students to use. While academic work has priority, students find the atmosphere of the Honors lab to be a good place to meet friends and relax.
- **Priority Registration**
  - Honors students are entitled to register for classes with seniors and veterans during the first days of registration each semester.
- **Opportunities to Travel**
  - Honors students are eligible to take field trips to cities such as Pittsburgh and Washington, D.C., where they can sample the rich cultural life of the nation's major cities. Ordinarily, there is no cost for these trips.
  - Students in Honors may also elect to sign up for study abroad trips. In the past students have traveled to London, England; Paris, France; Rome, Italy; Istanbul, Turkey; Brussels, Belgium, and Stratford, Ontario. While students are asked to share the costs for these trips, Honors underwrites about half of the expense and provides academic credit.
- **Participation in the Honors LLC**
  - The Honors Program has a Living and Learning Community in Prichard Hall, which offers a supportive community in which students can study and enjoy co-curricular activities with like-minded students.

### **Requirements for Graduating with University Honors**

Students must complete the Honors Program Curriculum requirements outlined below with a total of 25-30 credit hours in courses with an Honors designation. Students majoring in programs with special accreditation will have slightly different requirements as outlined below. All Honors students must maintain a GPA of 3.4 or higher in order to graduate from the Honors Program.

#### Honors Curriculum

#### Honors Core Requirements:



- HONR 1100 Honors Seminar: 1 credit
- HONR 3350 Honors Seminar in Special Topics: 3 credits
- Honor Senior Thesis Project:
  - HONR 4400 Honors Thesis Design: 3 credits
  - Honors These Project in Student's Major Field: 3 credits
    - Honors students will determine an appropriate project in consultation with the Honors Director and their faculty mentor. Students will be required to present their project in an appropriate venue upon its completion.
- Total Credits Required for Honors Core: 10 credit hours

**Core Curriculum/ Elective Honors Requirements:**

- Core Curriculum in Basic Skills, Critical Reasoning, and Personal Development with Honors designation.
- HONR 2200 Honors Mentoring- repeatable for credit
- HONR 3301 Honors Study/Travel- repeatable for credit
- HONR 3350 Honors Seminar in Special topics- repeatable for credit
- Major Requirements or Electives with Honors designation

**Total Honors Credits: 25-30 credit hours**

**Minimum GPA: 3.4**

Exceptions for Transfer Students and Students in Programs with Special Accreditation Needs

**Honors Requirements for Transfer Students**

Students who transfer into the Honors Program from another institution with at least 60 credits must complete 15-20 credit hours in the Honors curriculum.

Requirements include:

- HONR 3350 Honors Seminar in Special Topics: 3 credit hours
- Honors Seminar Thesis Project:
  - HONR 4400 Honors Thesis Design]: 3 credit hours
  - Honors Thesis Project in Student's Major Field: 3 credit hours
    - Honors students will determine an appropriate project in consultation with the Honors Director and their faculty mentor. Students will be required to present their project in an appropriate venue upon its completion.
- Courses with Honors designation in the Core Curriculum, major field of study, or the HONR course prefix: 6-11 credit hours

**Honors Requirements for Nursing Students**

Students completing the RN-BSN Nursing degree will undertake the following program of study for their core Honors requirements:

- HONR 1100 Honors Seminar: 1 credit hour
- HONR 3350 Honors Seminar in Special Topics: 3 credit hours

- NURS 3380 Evidence Based Practice: 3 credit hours
  - With Honors designation
- NURS 4400 Practicum: 5 credit hours
  - With Honors designations
- Honors Core Curriculum/Electives: 13-18 credit hours

### **Honors Requirements for Education Students**

Students completing the Elementary Education degree will undertake the following program of study for their core Honors requirements:

- HONR 1100 Honors Seminar: 1 credit hour
- HONR 3350 Honors Seminar in Special Topics: 3 credit hours
- HONR 4400 Honors Thesis Design: 2 credit hours
- EDUC 4485 Action Research: 1 credit hour
  - With Honors designations
- EDUC 4491 Elementary Education Student Teaching: 5-10 credit hours
  - With Honors designation
- Honors Core Curriculum/Electives: 15-20 credit hours

\* Students completing Secondary Education degrees will determine in consultation with the Director of Honors and their academic advisor the best course of action for satisfying their senior thesis requirement.

### **Information Systems Management, B.S.**

The Information Systems Management degree provides an academic program that balances business management principles and the tools and technologies

of computerized information systems. The areas of study include the functional areas of business, computer hardware and operating systems, network architecture and management, programming concepts, database management techniques, e-commerce and web development strategy, systems analysis and design, and project management.

Students completing the B.S. in Information Systems Management degree will be able to compete for positions related to Information Systems (IS), Information Technology (IT), and Business. Specific job titles may include: IS and IT consultants, information systems managers, database and software consultants, logistics managers, system or project managers, and network support services.

### **Degree Requirements**

#### **Core Curriculum Requirements (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program.

#### **Major Courses (84 Credit Hours)**

- BISM 1200 - Introduction to Computing Credit Hours: 3
- BISM 1500 - Business Information Tools Credit Hours: 3
- BISM 2000 - Management Information Systems Credit Hours: 3
- BISM 2400 - Operating Systems Concepts Across the Enterprise Credit Hours: 3
- BISM 2600 - Introduction to Networking Administration Credit Hours: 3
- BISM 3000 - Business Programming Logic Credit Hours: 3

- BISM 3300 - Information Systems and Data Analytics for Leaders Credit Hours: 3
- BISM 3400 - Database Design and Development Credit Hours: 3
- BISM 3500 - Fundamentals of SDLC Methodologies Credit Hours: 3
- BISM 3600 - E-commerce and Web Development Strategy Credit Hours: 3
- BISM 3800 - Object-oriented Business Applications Credit Hours: 3
- BISM 4200 - Systems Analysis and Design Credit Hours: 3
- BISM 4300 - Business Intelligence Credit Hours: 3
- BISM 4500 - Information Systems Project Planning Credit Hours: 3
- BISM 4600 - Information Assurance and Cybersecurity Credit Hours: 3
- BISM 4800 - Information Systems Project Management Credit Hours: 3
- BSBA 4420 - Business Ethics and Corporate Accountability Credit Hours: 3
- BSBA 3306 - Business Law I Credit Hours: 3
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- BSBA 2211 - Principles of Macroeconomics Credit Hours: 3
- BSBA 2212 - Principles of Microeconomics Credit Hours: 3
- BSBA 2220 - Fundamentals of Accounting Credit Hours: 3
- BSBA 2221 - Introduction to Financial Management Credit Hours: 3
- BSBA 2204 - Principles of Marketing Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- MGMT 3500 - Project Management Credit Hours: 3

- MATH 1530 - College Algebra Credit Hours: 3  
OR
- Higher Math (3)

Electives (9 Credit hours)

Major Electives to be offered--not required

- BISM 4400 - Current Topics in Information Systems Credit Hours: 3
- BISM 4900 - Internship in Information Systems Credit Hours: 3
- BISM 4998 - Undergraduate Research Credit Hours: 0-6

Degree Total = 120 Credit Hours

### International Studies Minor

Minor Courses (12 Credit Hours)

- BSBA 3320 - International Business Credit Hours: 3
- GEOG 3305 - Economic Geography Credit Hours: 3
- PHIL 3350 - Comparative Religion Credit Hours: 3  
OR
- POLI 3370 - World Religions and Politics Credit Hours: 3
- POLI 2210 - Principles of International Relations Credit Hours: 3

Minor Electives (9 Credit Hours)

Select from at least two disciplines.

- ENGL 3381 - The British Novel Credit Hours: 3
- ENGL 3382 - The World Novel Credit Hours: 3
- FREN 3314 - French Civilization and Culture Credit Hours: 3

- HIST 3310 - Diplomatic and Military History of the United States Credit Hours: 3
- HIST 3351 - History of England Credit Hours: 3
- HIST 3352 - History of Russia Credit Hours: 3
- HIST 4405 - History of Africa Credit Hours: 3
- HIST 4410 - History of Asia Credit Hours: 3
- HIST 4431 - Recent Europe Credit Hours: 3
- HIST 4455 - Revolutions in History Credit Hours: 3
- PHIL 3325 - Ethics Credit Hours: 3
- POLI 2220 - Comparative Government Credit Hours: 3
- POLI 3320 - US Foreign Policy Credit Hours: 3
- POLI 3350 - International Law and Organizations Credit Hours: 3
- POLI 4405 - Terrorism Credit Hours: 3
- OR
- CRIM 4405 - Terrorism Credit Hours: 3
- POLI 4411 - Area Studies Credit Hours: 3
- POLI 4412 - Area Studies Credit Hours: 3
- POLI 4413 - Area Studies Credit Hours: 3
- POLI 4415 - International Problems Credit Hours: 3
- SOCY 3301 - Cultural Anthropology Credit Hours: 3
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3

### Journalism Grades 5-Adult Teaching Specialization, B.A.

The journalism curriculum offers a comprehensive academic program as well as opportunities for practical media experience. Students may select from the following options:

- Journalism as an 18-hour minor, compatible with any four-year major in either the B.A. or B.S. degree or as preparation for students planning to transfer to a four-year program.
- The 18-hour Technical Writing Program is applicable to any bachelor's degree, for those who want more preparation for commercial and industrial writing and editing.
- Journalism as part of the Regents Bachelor of Arts Degree with a combination of coursework and practical experience. Requires administrative approval.
- The journalism program has continued to move in the direction of new media so students can be better prepared for the demands of the digital newsroom.
- The curriculum incorporates multimedia, digital imaging, participatory journalism, social media, as well as online design for Web pages, blogs, and other new media.
- The program provides additional expertise through staff work on award-winning student publications including The Columns campus newspaper; The Mound yearbook and Whetstone, student art and literary journal. Students also develop professional skills through the off-campus internships with media professionals. Journalism minors or pre-journalism students must

- participate actively in the publication of student media.
- Journalism courses are open as electives to students in any field. Students in teacher education programs are encouraged to take introductory courses such as Reporting and Multimedia News Writing, Media Literacy and History of American Journalism.
- Journalism minors and journalism education majors will be required to produce a final portfolio of produced coursework and clippings of campus media work. They must complete a comprehensive journalism exam and an internship.

#### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Professional Education Courses (39 Credit Hours)

- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2265 - Field Experience 2 Credit Hours: 1
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3340 - Instructional Design II Credit Hours: 3

- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 3365 - Field Experience 3 Credit Hours: 2
- EDUC 4485 - Action Research Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours: 1
- EDUC 4496 - Secondary Student Teaching Credit Hours: 10

#### Major Courses (24 Credit Hours)

(MKTG 3320 AND ENGL 4431 ARE REQUIRED FOR THE B.A. IN JOURNALISM EDUCATION.)

- JOUR 2245 - Reporting and Multimedia News Writing Credit Hours: 3 AND L2240
- JOUR 2275 - Media Literacy Credit Hours: 3
- JOUR 2280 - History of American Journalism Credit Hours: 3
- JOUR 3315 - Multimedia Publishing Credit Hours: 3
- JOUR 3335 - Photojournalism and Digital Imaging Credit Hours: 3
- JOUR 3343 - Journalism Internship Credit Hours: 3
- MKTG 3320 - Advertising and Sales Promotion Credit Hours: 3
- ENGL 4431 - Methods and Materials in Teaching English Credit Hours: 3

Degree Total = 120 Credit Hours

#### Mathematics (Grades 5-9) Teaching Endorsement

The Department of Computer Science and Mathematics cooperates with the Department of Education in meeting its

mission to prepare candidates for a Bachelors of Arts degree in Education with mathematics teaching endorsement for grades 5-9. This mathematics endorsement prepares teacher candidates for general mathematics through Algebra I. **The endorsement must be combined with another B.A. in Education degree program.**

It is expected that incoming students in this field will present a minimum of four units of high school mathematics, including the equivalent of two units of algebra, one unit of geometry, and one advanced unit such as Pre-Calculus. Students without this background may be required to complete appropriate lower-level courses in addition to the stated requirements. Students should consult with their advisor concerning credit for prerequisites and special examinations for course credit.

#### Course Requirements (24-25 Credit Hours)

\*omit if Math ACT greater than or equal to 23

- MATH 1530 - College Algebra  
Credit Hours: 3 \*
- OR
- MATH 1430 - College Algebra with Support  
Credit Hours: 4 \*
- MATH 1540 - Trigonometry  
Credit Hours: 3
- MATH 1550 - Applied Statistics  
Credit Hours: 3
- MATH 1561 - Mathematical Reasoning  
Credit Hours: 3
- MATH 2551 - Structure of the Real Numbers  
Credit Hours: 3
- MATH 2552 - Data Analysis and Geometry  
Credit Hours: 3
- MATH 3553 - Math Methods for Elementary Teachers  
Credit Hours: 3

- MATH 4531 - Methods and Materials in Teaching Mathematics  
Credit Hours: 3

### Mathematics Grades 5-Adult Specialization, B.A.

The Department of Computer Science and Mathematics cooperates with the Department of Education in meeting its mission to prepare candidates for a Bachelors of Arts degree in Education with mathematics teaching specialization for grades 5-adult. This mathematics specialization prepares teacher candidates for teaching mathematics. Students receiving a B.A. in Math Education also satisfy the degree requirements for a B.S. in Mathematics. Students pursuing these degrees are advised in the Math department.

NOTE: MATH 1550, 1561, 2563, 2501, 2502, and 3503 are required for both degrees and should be completed early in the program.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- EDUC 2201 - Instructional Technology  
Credit Hours: 3
  - MATH 2501 - Calculus I  
Credit Hours: 4
  - ENGL 1102 - Written English II  
Credit Hours: 3
  - CHEM 1101 - General Chemistry  
Credit Hours: 4
- OR**

- CHEM 1105 - Chemical Principles  
Credit Hours: 5  
**OR**
- PHYS 1101 - Introduction to Physics I  
Credit Hours: 4  
**OR**
- PHYS 1105 - Principles of Physics I  
Credit Hours: 5  
**OR**
- BIOL 1105 - Biological Principles I  
Credit Hours: 4  
**OR**
- BIOL 1106 - Biological Principles II  
Credit Hours: 4  
**OR**
- GEOL 1101 - Physical Geology  
Credit Hours: 4
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student Teaching for Secondary  
Credit Hours: 10
- EDUC 4485 - Action Research  
Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours: 1

#### Major Courses (46-47Credit Hours)

#### Professional Education (49 Credit Hours)

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to Education  
Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional Technology  
Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching  
Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators  
Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment  
Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas  
Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment  
Credit Hours: 2
- MATH 1550 - Applied Statistics  
Credit Hours: 3
- MATH 1561 - Mathematical Reasoning  
Credit Hours: 3
- MATH 2501 - Calculus I  
Credit Hours: 4
- MATH 2502 - Calculus II  
Credit Hours: 4
- MATH 2562 - Introduction to Discrete Mathematics  
Credit Hours: 3
- MATH 2563 - Transition to Higher Mathematics  
Credit Hours: 3
- MATH 3503 - Calculus III  
Credit Hours: 4
- MATH 3520 - Linear Algebra  
Credit Hours: 3
- MATH 3570 - Modern Geometry  
Credit Hours: 3
- MATH 4520 - Abstract Algebra  
Credit Hours: 3
- MATH 4531 - Methods and Materials in Teaching Mathematics  
Credit Hours: 3
- COMP 1110 - Introduction to Programming  
Credit Hours: 3  
or
- COMP 1120 - Principles of Programming I  
Credit Hours: 3

### Major Electives (6 Credit Hours)

Students must take one of the following courses:

- MATH 3504 - Differential Equations  
Credit Hours: 3  
**OR**
- MATH 2510 - Mathematical Logic  
Credit Hours: 3  
**OR**
- MATH 2520 - Number Theory Credit  
Hours: 3  
**OR**
- MATH 2299 - Special Topics in  
Mathematics Credit Hours: 1-12  
**OR**
- MATH 3399 - Special Topics in  
Mathematics Credit Hours: 1-12  
**OR**
- MATH 4499 - Special Topics in  
Mathematics Credit Hours: 1-12

### Any One of the Following Science Courses:

- CHEM 1101 - General Chemistry  
Credit Hours: 4
- CHEM 1105 - Chemical Principles  
Credit Hours: 5
- PHYS 1101 - Introduction to Physics  
I Credit Hours: 4
- PHYS 1105 - Principles of Physics I  
Credit Hours: 5
- BIOL 1105 - Biological Principles I  
Credit Hours: 4
- BIOL 1106 - Biological Principles II  
Credit Hours: 4
- GEOL 1101 - Physical Geology  
Credit Hours: 4

### Free Electives

Students must complete a minimum of 6 free credit hours of electives to complete the total degree requirements. Choosing higher-credit hour alternatives in the core curriculum and electives reduces the

minimum number of free elective credit hours required to reach 120 credit hours.

Degree Total = 120-121 Credit Hours

### Mathematics Minor

Minor Courses (12 Credit Hours)

- MATH 2501 - Calculus I Credit  
Hours: 4
- MATH 2502 - Calculus II Credit  
Hours: 4
- MATH 3503 - Calculus III Credit  
Hours: 4

Minor Electives (12-13 Credit Hours)

Choose four courses from the following list with at most one 1000 level course and at least one 3000/4000 course.

- MATH 1550 - Applied Statistics  
Credit Hours: 3
- MATH 1561 - Mathematical  
Reasoning Credit Hours: 3
- MATH 2510 - Mathematical Logic  
Credit Hours: 3
- MATH 2520 - Number Theory Credit  
Hours: 3
- MATH 2562 - Introduction to  
Discrete Mathematics Credit Hours:  
3
- MATH 2563 - Transition to Higher  
Mathematics Credit Hours: 3
- MATH 3504 - Differential Equations  
Credit Hours: 3
- MATH 3520 - Linear Algebra Credit  
Hours: 3
- MATH 3550 - Probability Credit  
Hours: 3
- MATH 3570 - Modern Geometry  
Credit Hours: 3
- MATH 4520 - Abstract Algebra  
Credit Hours: 3
- MATH 4580 - Topology Credit  
Hours: 3



- **MATH 4590 - Real Analysis Credit Hours: 3**

## **Mathematics, B.S.**

The mission of the mathematics degree program is to equip students with analytical and problem-solving skills for careers in education, academia, and industry. Graduates of the program will be able to apply the universal language of mathematical methods and reasoning to local and global issues, address problems in mathematics and other fields, become self-reliant learners, and communicate ideas effectively. The department cooperates fully with the Department of Education in meeting its mission for candidates for a Bachelors of Arts degree in Education with mathematics teaching specialization for either the 5-9 or the 5-Adult grade levels. Students interested in mathematics have the option of selecting one of the following degree programs:

1. Bachelor of Science degree in Mathematics, as preparation for immediate employment or for graduate school.
2. Bachelor of Arts in Education degree with a 5-Adult comprehensive specialization as preparation for teaching mathematics. Students receiving a B.A. in Math Education also satisfy the degree requirements for a B.S. in Mathematics. Students pursuing these degrees are advised in the Math department. NOTE: MATH 1550, 1561, 2563, 2501, 2502, and 3503 are required for both degrees and should be completed early in the program.
3. Mathematics 5-9 teaching specialization can be added to an Elementary Education degree or as a second specialization with any B.A. in Education.

It is expected that incoming students in this field will present a minimum of four units of high school mathematics, including the equivalent of two units of algebra, one unit of geometry, and one advanced unit such as Pre-Calculus. Students without this background may be required to complete appropriate lower-level courses in addition to the stated requirements. Students should consult with their advisor concerning credit for prerequisites and special examinations for course credit. All students majoring in mathematics must complete a minor. Students who are receiving a teaching certificate use Education as their minor.

### **Degree Requirements**

#### **Core Curriculum (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses meet both core curriculum and major requirements:

- MATH 1550
- MATH 2501

#### **Major Courses (33 Credit Hours)**

- COMP 1110 - Introduction to Programming Credit Hours: 3  
or
- COMP 1120 - Principles of Programming I Credit Hours: 3
- MATH 1550 - Applied Statistics Credit Hours: 3
- MATH 1561 - Mathematical Reasoning Credit Hours: 3
- MATH 2501 - Calculus I Credit Hours: 4
- MATH 2502 - Calculus II Credit Hours: 4
- MATH 2563 - Transition to Higher Mathematics Credit Hours: 3

- MATH 3503 - Calculus III Credit Hours: 4
- MATH 3520 - Linear Algebra Credit Hours: 3
- MATH 3550 - Probability Credit Hours: 3
- MATH 4520 - Abstract Algebra Credit Hours: 3

#### Science Electives (4-5 Credit Hours)

Select one of the following science courses:

- CHEM 1101 - General Chemistry Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1105 - Principles of Physics I Credit Hours: 5
- BIOL 1105 - Biological Principles I Credit Hours: 4
- BIOL 1106 - Biological Principles II Credit Hours: 4
- GEOL 1101 - Physical Geology Credit Hours: 4

#### Math Electives (12 Credit Hours)

Choose twelve credit hours from Groups A and B. At least three credit hours must be chosen from Group A.

##### Group A:

- MATH 4580 - Topology Credit Hours: 3
- MATH 4590 - Real Analysis Credit Hours: 3

##### Group B:

- MATH 2510 - Mathematical Logic Credit Hours: 3

- MATH 2520 - Number Theory Credit Hours: 3
- MATH 2562 - Introduction to Discrete Mathematics Credit Hours: 3
- MATH 3504 - Differential Equations Credit Hours: 3
- MATH 3570 - Modern Geometry Credit Hours: 3
- MATH 2299 - Special Topics in Mathematics Credit Hours: 1-12
- MATH 3399 - Special Topics in Mathematics Credit Hours: 1-12
- MATH 4499 - Special Topics in Mathematics Credit Hours: 1-12

#### Minor Field of Study (18-24 Credit Hours)

Students are required to complete a minor in fulfillment of degree program requirements.

Degree Total = 120 Credit Hours

### Mechanical Engineering Technology, A.S.

Mechanical Engineering Technology is a broad and diverse discipline. The program combines rigorous work in technology and engineering with hands-on lab experience. The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, graduates may choose to enter the workforce or continue their education with two years at the baccalaureate level. The Associate of Science degree in Mechanical Engineering Technology provides technical courses in the fundamentals of mathematics, science, strength of materials, electronics, computer aided drafting, thermodynamics, fluid mechanics, and machine design. Students are also required to take courses that focus on oral and written communication skills. The Bachelor of Science degree provides

students a greater emphasis on analysis and design with classes in heat transfer, thermodynamics, dynamics, and mechanical measurements. In addition, student will complete the universities general studies requirements to form a well-rounded education. Classes are small and students interact one-on-one with highly trained and educated faculty. Professors contribute additional time and effort to give every student the opportunity to succeed.

Students have the opportunity to join the student chapter of the Society of Automotive Engineers (SAE). Students design, fabricate and test a Baja buggy and compete in the Baja SAE Series each year. Fairmont State also offers funded undergraduate research. The program is accredited by ETAC of ABET.

Graduates are eligible to take the Fundamentals of Engineering Exam as a path to state registration.

The associate of science degree in Mechanical Engineering Technology emphasizes basic engineering concepts. Students concentrate on mathematics and science, written and oral communication skills, and mechanical specialization classes, including drafting, statics, strength of materials, machine design, fluid mechanics and motors/motor controllers. Many of the technical courses provide a combination of lecture and laboratory experiences. Graduates with the associate of science degree are qualified for entry-level positions as technicians, engineering assistants, and engineering aids. Job responsibilities can include a broad range of duties such as the installation, operation, maintenance, troubleshooting and repair of manufacturing equipment and commercial mechanical products.

#### Major Courses (60 Credit Hours)

- COMM 2200 - Introduction to Human Communication Credit Hours: 3  
OR
- COMM 2201 - Introduction to Group Discussion Credit Hours: 3  
OR
- COMM 2202 - Introduction to Communication in the World of Work Credit Hours: 3
- ELEC 1100 - Circuit Analysis I Credit Hours: 3
- ELEC 2250 - AC-DC Machinery and Controls Credit Hours: 3
- ENGL 1101 - Written English I Credit Hours: 3-4 (3 Credits Required)
- ENGL 1103 - Technical Report Writing Credit Hours: 3
- MANF 1100 - Materials and Processes Credit Hours: 3
- MATH 1510 - Applied Technical Mathematics I Credit Hours: 3
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- MECH 2210 - Thermodynamics I Credit Hours: 3
- MECH 2220 - Fluid Mechanics Credit Hours: 3
- MECH 2240 - Machine Design I Credit Hours: 3
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1102 - Introduction to Physics II Credit Hours: 4
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- TECH 1108 - Engineering Graphics I Credit Hours: 3
- TECH 2208 - Engineering Graphics II Credit Hours: 3

- Free Elective (2)

## **Mechanical Engineering Technology, B.S.E.T.**

Mechanical Engineering Technology is a broad and diverse discipline. The program combines rigorous work in technology and engineering with hands-on lab experience. The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, graduates may choose to enter the workforce or continue their education with two years at the baccalaureate level. The Associate of Science degree in Mechanical Engineering Technology provides technical courses in the fundamentals of mathematics, science, strength of materials, electronics, computer aided drafting, thermodynamics, fluid mechanics, and machine design. Students are also required to take courses that focus on oral and written communication skills. The Bachelor of Science degree provides students a greater emphasis on analysis and design with classes in heat transfer, thermodynamics, dynamics, and mechanical measurements. In addition, student will complete the universities general studies requirements to form a well-rounded education. Classes are small and students interact one-on-one with highly trained and educated faculty. Professors contribute additional time and effort to give every student the opportunity to succeed.

Students have the opportunity to join the student chapter of the Society of Automotive Engineers (SAE). Students design, fabricate and test a Baja buggy and compete in the Baja SAE Series each year. Fairmont State also offers funded undergraduate research. The program is accredited by ETAC of ABET.

Graduates are eligible to take the Fundamentals of Engineering Exam as a path to state registration.

The Bachelor of Science degree provides students with a greater emphasis on design and analysis, with advanced courses in dynamics, thermodynamics, heat transfer, heating/ventilation/air conditioning systems and mechanical measurements. Special emphasis is placed on the practical industrial applications of basic engineering concepts and principles. Graduates with the Bachelor of Science degree are qualified for positions that range from technician up through mechanical engineer. Our graduates have been employed by a broad range of manufacturing companies including aerospace, automotive, chemical, nuclear, and steel, mining, as well as telephone, natural gas, and electric utilities. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

### **Degree Requirements**

#### **Core Curriculum (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- CHEM 1101 - General Chemistry  
Credit Hours: 4

#### **Major Courses (74 Credit Hours)**

- CHEM 1101 - General Chemistry  
Credit Hours: 4
- COMP 1110 - Introduction to Programming  
Credit Hours: 3

- ELEC 1100 - Circuit Analysis I  
Credit Hours: 3
- ELEC 2250 - AC-DC Machinery and Controls Credit Hours: 3
- MANF 1100 - Materials and Processes Credit Hours: 3
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- MECH 2210 - Thermodynamics I Credit Hours: 3
- MECH 2220 - Fluid Mechanics Credit Hours: 3
- MECH 2240 - Machine Design I Credit Hours: 3
- MECH 3300 - Thermodynamics II Credit Hours: 3
- MECH 3320 - Dynamics Credit Hours: 3
- MECH 3330 - Heat Transfer I Credit Hours: 3
- MECH 3340 - Heating, Air Conditioning and Ventilation Credit Hours: 3
- MECH 4400 - Mechanical Measurements Credit Hours: 3
- MECH 4410 - Thermodynamics III Credit Hours: 3
- MECH 4430 - Heat Transfer II Credit Hours: 3
- PHYS 1102 - Introduction to Physics II Credit Hours: 4
- TECH 1108 - Engineering Graphics I Credit Hours: 3
- TECH 2208 - Engineering Graphics II Credit Hours: 3
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- TECH 3300 - Engineering Analysis II Credit Hours: 4

Major Electives (9 credit hours)

Select 9 credit hour from the list below. Technical related courses that meet the goals of the MECH program and are not on this list will be considered for credit as a Technical Elective on a case-by-case basis.

- BISM 2600 - Introduction to Networking Administration Credit Hours: 3
- CIVL 2200 - Introduction to Surveying Credit Hours: 3
- CIVL 2210 - Light Construction Credit Hours: 3
- CIVL 2290 - Introduction to Structures Credit Hours: 3
- COMP 1120 - Principles of Programming I Credit Hours: 3
- COMP 1130 - Principles of Programming II Credit Hours: 4
- COMP 2200 - Object-Oriented Programming Credit Hours: 3
- COMP 2201 - Machine Organization Credit Hours: 3
- ELEC 2210 - Circuit Analysis II Credit Hours: 3
- ELEC 2280 - Programmable Controllers Credit Hours: 3
- MANF 2205 - Engineering Economy Credit Hours: 3
- MATH 1550 - Applied Statistics Credit Hours: 3
- MATH 3503 - Calculus III Credit Hours: 4
- MATH 3550 - Probability Credit Hours: 3
- MATH 3520 - Linear Algebra Credit Hours: 3
- MATH 3504 - Differential Equations Credit Hours: 3
- MECH 3350 - Numerical Methods Credit Hours: 3
- SFTY 1100 - Safety and Environmental Components of Industry Credit Hours: 3
- SFTY 2250 - Safety Law and Compliance Credit Hours: 3
- TECH 3399 - Special Topics Credit Hours: 1-3

- TECH 4401 - Work Experience  
Laboratory Credit Hours: 8

### Free Electives

Students must complete a minimum of 10 credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

## Musical Arts Minor

The minor in Musical Arts provides students with an introduction to an academic understanding of music through theory, history, music business, and piano and also provides performance opportunities through university ensembles (marching band, wind ensemble, and choir). Students enrolled in the Musical Arts Minor will obtain a deeper understanding of music which will enhance their experiences both as a performer and an audience member, leading to a lifetime of musical enjoyment.

### Required Minor Courses (18 Credit Hours)

- MUSI 1113 - Intro to Written Theory  
Credit Hours: 3
- MUSI 1112 - Piano Ensemble Credit  
Hours: 1
- MUSI 3306 - Music Business Credit  
Hours: 3
- MUSI 1104 - Functional Piano I  
Credit Hours: 1  
OR
- MUSI 1160 - Applied Music I Credit  
Hours: 2  
-Major Ensemble-
- MUSI 1168 - Marching Band Credit  
Hours: 2
- MUSI 1169 - Wind Ensemble Credit  
Hours: 1
- MUSI 1167 - Collegiate Singers  
Credit Hours: 1

## Theater Arts Minor

The minor in Theatre Arts focuses on the instruction and practical application of skills required to produce plays: technical production, design, acting, and directing.

### Required Minor Courses (18 Credit Hours)

Student must take at least one Production Practicum and one Acting Workshop.

- THEA 1120 - Theatre Appreciation  
Credit Hours: 3
- THEA 1140 - Theatrical Production  
Credit Hours: 2
- THEA 1148 - Theatre Workshop I  
Credit Hours: 1
- THEA 2240 - Acting Credit Hours: 2
- THEA 2238 - Acting Workshop I  
Credit Hours: 1  
AND
- THEA 4432 - Acting Workshop II  
Credit Hours: 1
- THEA 2244 - Introduction to  
Theatrical Design Credit Hours: 3
- THEA 3336 - Directing Credit Hours:  
3
- THEA 2262 - Production Practicum I  
Credit Hours: 1  
AND
- THEA 4462 - Production Practicum  
II Credit Hours: 1

## Museum Studies Minor

Students interested in the study of museums learn to manage collections, handle exhibits, educate visitors and preserve culture and heritage. This 18-hour minor in Museum Studies located in the College of Liberal Arts/Department of Social Science is physically housed at the Gabor WV Folklife Center. This minor allows students who complete the program to have a solid base in the various components of museum training to include

collections management, exhibit development and production, interpretation and museum education and a general understanding of museum concepts for an introductory position in a small to medium size facility as well as a foundation for further graduate studies.

This interdisciplinary academic minor can be attached to most majors and is especially applicable to history.

#### Minor Courses (18 Credit Hours)

- MUSM 1100 - Introduction to Museums Credit Hours: 3
- MUSM 2150 - Folk Arts Credit Hours: 3
- OR
- MUSM 3301 - Material Culture Credit Hours: 3
- MUSM 3210 - Museum Interpretation and Education Credit Hours: 3
- MUSM 3220 - Museum Collections Management Credit Hours: 3
- MUSM 3230 - Exhibit Design and Construction Credit Hours: 3
- MUSM 4290 - Museum Practicum/Internship/Capstone Credit Hours: 3

### National Security and Intelligence Minor

#### Minor Courses (6 Credit Hours)

- HIST 3305 - History of National Security and Intelligence Credit Hours: 3
- OR
- NSIS 3305 - History of National Security and Intelligence Credit Hours: 3
- CRIM 4405 - Terrorism Credit Hours: 3
- OR

- POLI 4405 - Terrorism Credit Hours: 3

#### Minor Electives (12 Credit Hours)

Students must choose courses from at least two different disciplines.

Students may also choose from any advanced (3300/4400) National Security and Intelligence courses or Political Science courses.

- CRIM 2246 - Criminal Evidence Credit Hours: 3
- CRIM 3310 - Comparative Criminal Justice Credit Hours: 3
- CRIM 4400 - Research in the Social Sciences Credit Hours: 3
- HIST 3310 - Diplomatic and Military History of the United States Credit Hours: 3
- POLI 1100 - American Government Credit Hours: 3
- POLI 2210 - Principles of International Relations Credit Hours: 3
- POLI 2220 - Comparative Government Credit Hours: 3

### National Security and Intelligence, B.A.

The National Security and Intelligence Program is designed to provide the necessary background for students to pursue careers in national security and/or intelligence in government agencies and private enterprise.

Students seeking a Bachelor of Arts degree in National Security & Intelligence must apply to the National Security & Intelligence Program Director and successfully complete an interview. To be recommended for graduation, the student

must have a 2.7 GPA or a 2.5 GPA with the Program Director's approval.

The program Director will conduct an annual review of the academic progress of all students enrolled in the Program. Students whose GPA falls below 2.7 or who might otherwise exhibit behavior that is not conducive to securing employment in this field will be placed on probation or dropped from the Program depending on the outcome of the review.

No Minor Required

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (51 Credit Hours)

- BISM 4300 - Business Intelligence Credit Hours: 3
- BSBA 2200 - Economics Credit Hours: 3
- HIST 1107 - United States History I Credit Hours: 3
- HIST 1108 - United States History II Credit Hours: 3
- HIST 2213 - World Civilizations III Credit Hours: 3
- NSIS 3305 - History of National Security and Intelligence Credit Hours: 3
- HIST 3310 - Diplomatic and Military History of the United States Credit Hours: 3
- NSIS 3300 - Intelligence Research Credit Hours: 3
- PHIL 3350 - Comparative Religion Credit Hours: 3
- OR
- POLI 3370 - World Religions and Politics Credit Hours: 3

- POLI 1100 - American Government Credit Hours: 3
- POLI 2210 - Principles of International Relations Credit Hours: 3
- POLI 2220 - Comparative Government Credit Hours: 3
- NSIS 4400 - Research in the Social Sciences Credit Hours: 3
- NSIS 4490 - Capstone Seminar in National Security and Intelligence Credit Hours: 3
- POLI 3350 - International Law and Organizations Credit Hours: 3
- POLI 4405 - Terrorism Credit Hours: 3
- OR
- CRIM 4405 - Terrorism Credit Hours: 3
- PSYC 2240 - Behavioral Statistics Credit Hours: 3
- OR
- SOCY 2240 - Behavioral Statistics Credit Hours: 3

#### Major Electives (6 Credit Hours)

Students may also choose from any advanced (3300/4400) National Security and Intelligence courses or Political Science courses.

- CRIM 2236 - Criminal Investigation Credit Hours: 3
- CRIM 2246 - Criminal Evidence Credit Hours: 3
- CRIM 3310 - Comparative Criminal Justice Credit Hours: 3
- Language Related Culture & History Course (3)

#### Foreign Language Requirement (12 Credit Hours)

- FREN 1101 - Elementary French I Credit Hours: 3



- FREN 1102 - Elementary French II Credit Hours: 3
- FREN 1199 - Special Topics in French Credit Hours: 1-12
- FREN 2201 - Intermediate French I Credit Hours: 3
- FREN 2202 - Intermediate French II Credit Hours: 3
- FREN 2220 - Intermediate Topics in French Credit Hours: 3
- FREN 3310 - Advanced Topics in French Credit Hours: 3
- FREN 3311 - French Composition and Conversation I Credit Hours: 3
- FREN 3312 - French Composition and Conversation II Credit Hours: 3
- FREN 3314 - French Civilization and Culture Credit Hours: 3
- FREN 3321 - Contemporary Literature Credit Hours: 3
- FREN 3326 - Media Studies in French Credit Hours: 3
- FREN 4411 - Advanced French Composition and Conversation Credit Hours: 3
- FREN 4420 - Francophone Cultures in the Americas Credit Hours: 3
- FREN 4426 - Main Currents of French Literature and Culture Credit Hours: 3
- FREN 4431 - Methods and Materials in Teaching French Credit Hours: 3
- FREN 4998 - Undergraduate Research Credit Hours: 0-6
- SPAN 1101 - Elementary Spanish I Credit Hours: 3
- SPAN 1102 - Elementary Spanish II Credit Hours: 3
- SPAN 1199 - Special Topics Credit Hours: 3
- SPAN 2200 - Spanish Language Film and Video Credit Hours: 3
- SPAN 2201 - Intermediate Spanish I Credit Hours: 3
- SPAN 2202 - Intermediate Spanish II Credit Hours: 3
- SPAN 2250 - Spanish For the Medical Professions Credit Hours: 3
- SPAN 2251 - Spanish for Criminal Justice Credit Hours: 3
- SPAN 2252 - Spanish for a World Economy Credit Hours: 3
- SPAN 3300 - Undergraduate Student Exchange Credit Hours: 3-6
- SPAN 3301 - Spanish Composition and Conversation I Credit Hours: 3
- SPAN 3302 - Spanish Composition and Conversation II Credit Hours: 3
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 3350 - History of the Spanish Language Credit Hours: 3
- SPAN 4400 - Survey of Latin American Literature Credit Hours: 3
- SPAN 4401 - Survey of Peninsular Literature Credit Hours: 3
- SPAN 4402 - Independent Study Credit Hours: 3-6
- SPAN 4410 - Advanced Skills: Speaking, Writing, Listening and Reading Credit Hours: 3
- SPAN 4411 - Spanish Capstone: Proficiency Portfolio Credit Hours: 1
- SPAN 4418 - U.S. Hispanic Cultures & Literature Credit Hours: 3
- SPAN 4431 - Methods: Second Language Acquisition in the Classroom Credit Hours: 3
- SPAN 4998 - Undergraduate Research Credit Hours: 0-6

#### Free Electives (21 Credit Hours)

Students can select any course for which they have proper prerequisites. Electives provide opportunities for students to pursue personal interests and to gain general knowledge.

Degree Total = 120 Credit Hours

## Nursing, A.S.N

The program is designed to prepare graduates for a challenging and satisfying career as an Entry-level Registered Professional Nurse. The curriculum includes a balance of nursing, Core curriculum, and support courses. Students have the opportunity to apply nursing theory and skills in the campus skills and simulation laboratories, in clinical settings which may include hospitals, nursing homes, rehabilitation centers, schools, clinics, and physicians' offices. Students are expected to provide their own transportation to all clinical experiences.

Fairmont State's Associate of Science in Nursing program is designed to produce a graduate who is able to

1. Provide patient- centered care to patients in response to their changing health needs.
2. Advocate for patients in ways to promote their self-determination and ongoing growth.
3. Apply evidence-based practice, and clinical judgment in the provision of patient centered care.
4. Use the nursing process, information management systems, teamwork and interprofessional collaboration to provide safe, effective, quality care aimed at promoting the patients' health.
5. Provide compassionate patient-centered care through roles of care provider, manager, educator, leader, and advocate.
6. Communicate professionally and collaboratively with patients and members of the healthcare team.
7. Demonstrates responsibility and accountability for professional

nursing practice and lifelong learning.

8. Integrate current best practices to deliver safe and effective patient-centered care aimed at improving quality of care and care outcomes.

Applicants are admitted to the nursing major as they complete the admission process and meet the admission requirements of Fairmont State and the Associate of Science in Nursing Degree Program. Accepted students will be admitted into the next admission class for the Traditional ASN, ASN Hybrid/Weekend, and LPN-ASN programs. As classes are filled, a waitlist is established. Applicants remaining on the waitlist must reapply for the next semester and/or academic year. Application and admission requirements can be found on the website at <https://www.fairmontstate.edu/schoolofnursing/academics/asn-admissions-requirements>

To progress in the nursing program, a student must receive a grade of "C" or higher in each nursing and required support course. Failure to meet either of these requirements will result in a student being re-sequenced in the program according to the College of Nursing Readmission Policy. A student may only be re-admitted to the nursing program two times. To graduate from the nursing program, a student must have a grade of "C" or above in every nursing and support course and a cumulative 2.0 grade point average.

Graduates of the program are eligible to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN) for licensure as a Registered Professional. For licensure in West Virginia, candidates must meet the following legal

requirements delineated in the West Virginia Code, Chapter 30, Article 7, Section 11. WV Code 30-7-11. Denial, Revocation or Suspension of License; Grounds for Discipline.

The Board shall have the power to deny, revoke or suspend any license to practice registered professional nursing issued or applied for in accordance with the provisions of this article, or to otherwise discipline a licensee or applicant upon proof that he or she:

1. Is or was guilty of fraud or deceit in procuring or attempting to procure a license to practice registered professional nursing; or
2. Has been convicted of a felony; or
3. Is unfit or incompetent by reason of negligence, habits or other causes; or
4. Is habitually intemperate or is addicted to the use of habit-forming drugs; or
5. Is mentally incompetent; or
6. Is guilty of conduct derogatory to the morals or standing of the profession of registered nursing; or
7. Is practicing or attempting to practice registered professional nursing without a license or registration; or
8. Has demonstrated abnormal prescribing or dispensing practices pursuant to 30-3A-4 of this code; or
9. Has willfully or repeatedly violated any of the provisions of this article.

The Associate of Science in Nursing (ASN) program at Fairmont State University located in Fairmont, WV is accredited by the: Accreditation Commission for Education in Nursing (ACEN), 3390 Peachtree Road, NE, Suite 1400 Atlanta, GA 30326. (404)975-5000. The most recent accreditation decision made by the

ACEN Board of Commissioners for the Associate of Science in Nursing program is continuing accreditation. View the public information disclosed by the ACEN regarding this program at <http://www.acenursing.us/accreditedprograms/programSerach.htm>. This accreditation applies to the traditional ASN, hybrid/weekend ASN, and LPN-ASN programs.

The ASN nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses (WVBOERN).

WVBOERN  
90 MacCorkle Avenue, SW  
NE, Suite 850  
South Charleston, WV 25303  
(304) 744-0900  
[www.wvrnboard.wv.gov](http://www.wvrnboard.wv.gov)

Students who plan to pursue initial licensure outside of West Virginia should be aware that state licensure requirements may vary and are subject to changes. Each state and territory have different professional licensure and certification requirements. The programs at Fairmont State University have been designed to meet relevant requirements for programs in the State of West Virginia. Students who are considering an academic program that may allow them to pursue professional licensure in another state or territory are strongly encouraged to check their state's or territory's information and contact the appropriate licensing agency to seek information and additional guidance before beginning a program outside of their state. Information can be found on the College of Nursing website entitled "Licensure Disclosure."

Associate Degree Nurses are qualified to work in hospitals, nursing homes, physicians' offices and clinics. Graduates may also continue in higher education

toward Bachelor's and Master's degrees in nursing and related fields.

#### ASN Degree Requirements

#### Core Curriculum and Support Course Requirements

##### Basic Skills #2 Written Communication

- ENGL 1101 - Written English I Credit Hours: 3-4 (3 Credits Required)

##### Basic Skills #3 Written Communication

- ENGL 1102 - Written English II Credit Hours: 3

##### Critical Reasoning in the Disciplines #9 Social Science with Critical Thinking

- PSYC 1101 - Introduction to Psychology Credit Hours: 3

##### Critical Reasoning in the Disciplines #8 Natural Science with Critical Thinking

- BIOL 1180 - Human Anatomy and Physiology (lecture) Credit Hours: 3
- BIOL 1181 - Human Anatomy and Physiology (lab) Credit Hours: 1
- BIOL 2205 - Technical Microbiology (Lecture) Credit Hours: 3

##### Personal Development #11 Fitness and Well-Being

- NUTR 1110 - Nutrition Credit Hours: 3

##### Course Requirements for the Traditional ASN Program

- NURS 1101 - Fundamentals of Nursing Credit Hours: 7

- NURS 1108 - Nursing Care of Adults I Credit Hours: 6
- NURS 2203 - Mental Health Nursing Credit Hours: 4
- NURS 2208 - Nursing Care of Adults II Credit Hours: 6
- NURS 2211 - Professional Role Transition Credit Hours: 2
- NURS 2212 - Nursing Care of Adults III Credit Hours: 3
- NURS 2220 - Nursing Capstone Clinical Credit Hours: 2
- NURS 1118 - Pharmacology and Nursing Process Credit Hours: 3
- NURS 2114 - Nursing Care of Maternal and Infants Credit Hours: 3 credits (2 theory; 1 clinical)
- NURS 2214 - Nursing Care of Child and Adolescents Credit Hours: 3 credits (2 theory; 1 clinical)
- NURS 1125 - Basic Drug Dosage Calculations for Nurses Credit Hours: 2

### LPN to ASN Accelerated Tracks

Once admitted to the Associate of Science in Nursing Program, Licensed Practical Nurses (LPN) are eligible for one of two matriculation processes.

1. An LPN student can choose to matriculate through the Traditional or hybrid/weekend program starting in the second semester of the first year of the ASN program. LPN students receive credit for NURS 1101 (7 credits hours) based on possessing a current and unencumbered LPN license. Thus, the nursing courses can be completed in 3 full-time semesters. Core Curriculum and support course requirements will need to be taken prior to and/or concurrently with the nursing courses.

2. An LPN student can choose the LPN-ASN program track. The classes are offered asynchronously and the clinical component is conducted two days each month and must be completed in West Virginia. Students must complete pre-requisite courses prior to the start the program, which include: ENGL 1101, ENGL 1102, PSYC 1101, NUTR 1110, BIOL 1180 and BIOL 1181.

BIOL 1180/BIOL 1181, Anatomy and Physiology and NUTR 1110 - Nutrition may be taken for credit hours or the credit hours may be awarded by competency examinations.

Licensed practical nurses who are interested in the Associate of Science in Nursing program should review the application process on the College of Nursing webpage.

#### Course Requirements for the LPN-ASN Program:

- BIOL 2205 - Technical Microbiology (Lecture) Credit Hours: 3
- NURS 1200 - Nursing Care Across the Lifespan I Credit Hours: 7
- NURS 1201 - Mental Health Nursing Across the Lifespan Credit Hours: 3
- NURS 1206 - Health Assessment Across the Lifespan Credit Hours: 2
- NURS 2301 - Nursing Care Across the Lifespan II Credit Hours: 7
- NURS 2304 - Pharmacology Across the Lifespan Credit Hours: 3
- NURS 2401 - Nursing Care Across the Lifespan III Credit Hours: 5
- NURS 2403 - Capstone Clinical Experience Credit Hours: 4
- NURS 2405 - LPN-RN Role Transition Credit Hours: 3

#### Transfer Students

Students wishing to transfer into the ASN program must first meet the admission standards for the ASN program. Upon admission, transfer students will be required to provide a transcript from their previous school of nursing and submit, in writing, a request for transfer credit for specific nursing courses. Students must submit with the request, course descriptions, course outcomes, course syllabi or any other materials requested. If a nursing course is determined to be equivalent to a Fairmont State SON course, the student must then demonstrate competency regarding the course content by scoring an 850 or above on the corresponding HESI exam. Courses must be less than five years old. The full transfer policy is available in the ASN Student Handbook.

#### Special Requirements for Nursing Students

1. Submission of completed clinical agency/health data requirements prior to August 1 following acceptance into the program for fall semester and January 1 following acceptance into the program for the spring semester.
2. Submission of yearly PPD results (or chest x-ray or QuantiFERON Gold with TB clearance letter, if appropriate) and evidence of American Heart Association Basic Cardiac Life Support for Healthcare Professionals CPR certification prior to August 1 of each year if admitted in the fall and January 1 if admitted in the spring.
3. Adhere to the policies in the College of Nursing Student Handbook.

4. Undergo a criminal background check and drug screen, according to the procedure specified by the College of Nursing.
5. Complete all course work within three years of admission into the nursing program.
6. Pay a required special fee for standardized testing, if enrolled in the ASN program.
7. Meet the core performance standards of the College of Nursing.

### Transportation

As most of these programs require considerable student attendance at off-campus locations, it is the student's responsibility to provide transportation to all clinical agencies. The utilization of car pools, when appropriate, is encouraged to help meet the expense of those providing transportation.

### Liability Insurance

Group liability insurance is provided to the students in all Nursing programs; the liability insurance is handled by the State of West Virginia. Students may be obligated to obtain additional liability insurance based on clinical agency requirements.

### Laptop Computers

Students are required to have a laptop computer for the program. Computer requirements are listed at here.

**Degree Total = 60 Credit Hours**

### Nursing, RN-BSN

The Bachelor of Science in Nursing (BSN) Program is designed for registered

professional nurses who desire a baccalaureate degree in nursing. The program meets the needs of the working RN through flexible online course offerings and provides real-world experiences through flexible project-based assignments and practicums. The program is designed to enhance critical thinking, leadership, management, and evidence-based practice skills in the promotion of patient-centered care within the healthcare delivery system. The program serves as a building block for graduate study and to prepare graduates to assume accountability for nursing practice in the roles of a nurse generalist.

The curriculum is individually designed on the basis of the student's academic background. A minimum of 120 approved credit hours is required. This includes 28 upper division nursing credits. Students complete the program in three semesters including summer depending upon the academic history of the individual. Nursing courses are offered online with no face-to-face course requirements. Students must earn a grade of "C" or above in all courses and maintain a 2.0 cumulative GPA.

The Bachelor of Science in Nursing (BSN) Program at Fairmont State is accredited by the Commission on Collegiate Nursing Education (CCNE).

<https://www.ccneaccreditation.org>

The expected outcomes of the BSN graduate are to:

1. Integrate a background in the liberal arts with the knowledge, skills, and values in professional nursing in order to improve patient and healthcare outcomes.
2. Prepare nurse generalists to provide safe, ethical, evidenced-based, patient-centered care that

reflects critical thinking and inter-professional collaboration.

3. Manage information and technology to enhance clinical decision making for quality patient-centered care in a variety of settings.
4. Apply principles of prevention and health promotion when providing care to patients.
5. Contribute to the profession of nursing by engaging in leadership, scholarship, and practice activities.
6. Prepare nurse generalists for professional role development through lifelong learning, graduate education, and specialization within their chosen career path.

All applicants seeking admission to the Bachelor of Science in Nursing Program are required to:

1. Meet the general admission and course placement requirements of Fairmont State University.
2. Submit an application for admission to both the University and the College of Nursing, designating the major as Bachelor of Science in Nursing to the Office of Admissions.
3. Submit official college and/or diploma program transcripts, including graduation date and degree.
4. Students interested in the program are encouraged to contact the College of Nursing for advisement purposes. An active, unencumbered West Virginia or multistate RN license is required for enrollment in NURS 3370 and above.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Required BSN Nursing Courses (28 Credit Hours)

- NURS 3320 - Health Assessment  
Credit Hours: 3
- NURS 3360 - Nursing Ethics  
Credit Hours: 3
- NURS 3370 - Nursing Informatics and Healthcare Technologies  
Credit Hours: 3
- NURS 3380 - Evidence Based Practice  
Credit Hours: 3
- NURS 4410 - Population Health  
Credit Hours: 5
- NURS 4430 - Nursing Leadership  
Credit Hours: 3
- NURS 4440 - Application of Evidence Based Practice  
Credit Hours: 5
- NURS 4450 - Healthcare Delivery: Political, Social and Economic Influences  
Credit Hours: 3

#### Required Support Courses (6-7 Credit Hours)

- PSYC 2240 - Behavioral Statistics  
Credit Hours: 3  
OR
- BSBA 3310 - Business and Economic Statistics.  
Credit Hours: 3  
OR
- SOCY 2240 - Behavioral Statistics  
Credit Hours: 3  
OR
- MATH 1550 - Applied Statistics  
Credit Hours: 3
- BSBA 2209 - Principles of Management  
Credit Hours: 3  
OR
- MGMT 3308 - Human Resource Management  
Credit Hours: 3

Degree Total = 120 Credit Hours

## School Nurse Certificate

The student is required to have an active, unencumbered registered nursing licensure or be in their last semester of the BSN program for enrollment in NURS 4441 - School Nurse Practicum. Courses required for the School Nurse Certificate include:

- EDUC 2200 - Introduction to Education Credit Hours: 3
- NURS 4441 - School Nurse Practicum Credit Hours: 4

## Nursing, Traditional B.S.N.

The BSN curriculum is designed to prepare entry-level professional nurses with the knowledge and experience to care for persons not only in acute care, but also in community and population-health care environments. The BSN curriculum will differ from our current ASN curriculum by incorporating additional skill sets through course work, clinical applications, and clinical experiences in:

- Evidence-based practice in healthcare systems
- Health promotion throughout the lifespan
- Health and physical examination
- Nursing ethics
- Nursing informatics and healthcare technologies
- Nursing leadership
- Population health nursing
- Examination of healthcare delivery systems
- Application of evidence-based practice through clinical capstone
- Provide a variety of clinical experiences in acute care, the community and population health arena.

A minimum of 120 approved credit hours is required. This includes 28 upper division nursing credits. Students complete the program in three semesters including summer depending upon the academic history of the individual. Nursing courses are offered online with no face-to-face course requirements. Students must earn a grade of "C" or above in all courses and maintain a 2.0 cumulative GPA.

The Bachelor of Science in Nursing (BSN) Program at Fairmont State is accredited by the Commission on Collegiate Nursing Education (CCNE).

<https://www.ccneaccreditation.org>

The expected outcomes of the BSN graduate are to:

1. Integrate a background in the liberal arts with the knowledge, skills, and values in professional nursing in order to improve patient and healthcare outcomes.
2. Prepare nurse generalists to provide safe, ethical, evidenced-based, patient-centered care that reflects critical thinking and inter-professional collaboration.
3. Manage information and technology to enhance clinical decision making for quality patient-centered care in a variety of settings.
4. Apply principles of prevention and health promotion when providing care to patients.
5. Contribute to the profession of nursing by engaging in leadership, scholarship, and practice activities.
6. Prepare nurse generalists for professional role development through lifelong learning, graduate education, and specialization within their chosen career path.



All applicants seeking admission to the Bachelor of Science in Nursing Program are required to:

1. Meet the general admission and course placement requirements of Fairmont State University.
2. Submit an application for admission to both the University and the College of Nursing, designating the major as Bachelor of Science in Nursing to the Office of Admissions.
3. Submit official college and/or diploma program transcripts, including graduation date and degree.
4. Students interested in the program are encouraged to contact the College of Nursing for advisement purposes. An active, unencumbered West Virginia or multistate RN license is required for enrollment in NURS 3370 and above.

All applicants must meet the general admission requirements of Fairmont State University as described in the University Undergraduate Catalog.

Admission to the Traditional Bachelor of Science Nursing program is on a competitive basis. The priority application deadline is January 15<sup>th</sup> for Fall Semester admission. Students can be accepted into the Traditional BSN program in two ways.

1. **High school seniors** - This applies to high school students with eight (8) or less college credits. High school students with a cumulative GPA of 3.0 or higher, ACT score of 21 or higher or SAT 1060 or higher, and TEAS composite score of 70 or higher (pending space availability)

are eligible apply to the traditional BSN program during their senior year of high school. Applications are due by January 15 (this includes official high school transcripts, official college transcripts, official ACT or SAT scores and official TEAS scores). Progression to the sophomore year is contingent on completion of all required freshman level courses with a grade of "C" or higher by the end of the summer semester of the year the student is scheduled to begin the sophomore level nursing courses. Students, who are unable to begin the sophomore level courses will need to reapply to the program.

2. **Current or previous college students** - Students with nine (9) or more college credits or previous college graduates are eligible to apply. Applicants must have an overall 2.5 cumulative college GPA and a composite TEAS score of 70[CL1] or higher. Applications are due by January 15<sup>th</sup> (this includes University receipt of official high school transcripts, official college transcripts, official ACT or SAT scores and official TEAS scores). Successful applicants will be admitted to the freshman or sophomore level, depending on completion of freshman course requirements. Progression to the sophomore year is contingent on completion of all required freshman level courses with a grade of "C" or higher by the end of the summer semester of the year the student is scheduled to begin the sophomore level nursing courses. Students, who are unable to begin the sophomore level

courses will need to reapply for admission during the next application window, as long as the deficiency is corrected.

Once admitted to the program students will need to be compliant with required clinical agency immunizations, American Heart Association Healthcare Provider CPR, have Affordable Care Act (ACA) compliant health insurance, unequivocal drug screen, clear background check, satisfactory health examination that allows the student to meet the College of Nursing Core Performance Standards. Specific information about the clinical agency requirements will be provided to students in an information packet. Clinical agency requirements are subject to change and students will be required to meet those requirements. A tracking system will be used to monitor compliance. Failure to maintain compliance with clinical agency requirements will result in the student's inability to attend clinical learning activities. This is considered an unexcused clinical absence. Unexcused clinical absences are unable to be made up and will result in failure of the course; both the clinical and theory components will need to be repeated.

#### Core Curriculum (34-36 Hours)

The following Courses satisfy both Core Curriculum and Nursing requirements

NURS 1025, BIOL 1180 and 1181, PSYC 1101, NUTR 1110

For details on the required courses, refer to the Core Curriculum Program.

#### Nursing Foundational Courses (16 Credit Hours)

- PHED 1180 - Medical Terminology Credit Hours: 3

- CHEM 1101 - General Chemistry Credit Hours: 4
- BIOL 1180 - Human Anatomy and Physiology (lecture) Credit Hours: 3
- BIOL 1181 - Human Anatomy and Physiology (lab) Credit Hours: 1
- BIOL 2205 - Technical Microbiology (Lecture) Credit Hours: 3
- NUTR 1110 - Nutrition Credit Hours: 3
- PSYC 1101 - Introduction to Psychology Credit Hours: 3
- PSYC 2240 - Behavioral Statistics Credit Hours: 3
- OR
- SOCY 2240 - Behavioral Statistics Credit Hours: 3
- OR
- BSBA 3310 - Business and Economic Statistics. Credit Hours: 3
- OR
- MATH 1530 - College Algebra Credit Hours: 3
- BSBA 2209 - Principles of Management Credit Hours: 3
- OR
- MGMT 3308 - Human Resource Management Credit Hours: 3

#### Required Major Courses (70 Credit Hours)

- NURS 1025 - Introduction to Nursing Credit Hours: 3
- NURS 3310 - Health Promotion and Communication Credit Hours: 3
- NURS 3332 - Assessment and Physical Examination Credit Hours: 3
- NURS 3360 - Nursing Ethics Credit Hours: 3
- NURS 3370 - Nursing Informatics and Healthcare Technologies Credit Hours: 3
- NURS 3380 - Evidence Based Practice Credit Hours: 3
- NURS 3400 - Foundations of Nursing Credit Hours: 6

- NURS 3401 - Pharmacology Credit Hours: 3
- NURS 3402 - Drug Calculations Credit Hours: 3
- NURS 3600 - Adult Health I Credit Hours: 6
- NURS 3610 - Mental and Behavioral Health Credit Hours: 4
- NURS 3700 - Adult Health II Credit Hours: 6
- NURS 3701 - Mother/Baby and Women's Health Credit Hours: 4
- NURS 4401 - Child and Adolescent Health Credit Hours: 3
- NURS 4410 - Population Health Credit Hours: 5
- NURS 4430 - Nursing Leadership Credit Hours: 3
- NURS 4442 - Complex Healthcare Credit Hours: 3
- NURS 4444 - NCLEX-RN Prep Credit Hours: 1
- NURS 4450 - Healthcare Delivery: Political, Social and Economic Influences Credit Hours: 3
- NURS 4452 - Clinical Capstone Credit Hours: 5

## Nutrition Science Minor

Minor Courses (18 credit hours)

- NUTR 1110 - Nutrition Credit Hours: 3
- NUTR 1120 - Nutrition in Childhood & Adolescence Credit Hours: 3
- NUTR 1145 - Sports Nutrition Credit Hours: 3
- NUTR 1155 - Farm to Fork Credit Hours: 3
- NUTR 2220 - Nutrition Therapy Credit Hours: 3
- NUTR 2250 - Epidemiology and Community Nutrition Credit Hours: 3

## Occupational Safety Minor

Minor Courses (20 Credit Hours)

- SFTY 1100 - Safety and Environmental Components of Industry Credit Hours: 3
- SFTY 1150 - Safety Management and Concepts in Accident Prevention Credit Hours: 3
- SFTY 2250 - Safety Law and Compliance Credit Hours: 3
- SFTY 3360 - Fire Prevention Credit Hours: 3
- SFTY 2290 - Industrial Hygiene and Toxicology Credit Hours: 4
- SFTY 2291 - Environmental Engineering Technology: Hazardous Waste Credit Hours: 4

Minor Electives (3-4 Credit Hours)

- PHED 2211 - Anatomy and Physiology Credit Hours: 4
- MATH 1550 - Applied Statistics Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- PSYC 2240 - Behavioral Statistics Credit Hours: 3

## Occupational Safety, B.S.

The Occupational Safety program is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. The Occupational Safety program prepares competent professionals who serve as valued members of the management, engineering, and business team providing solutions to complex safety/environmental problems. This program focuses on principles drawn from engineering technology, health, physics, math, psychology, language and speech. Hands-on applications of these principles are emphasized through preparatory and professional courses. Preparatory courses

include math, chemistry, physics, human anatomy, statistics, speech, written composition and psychology. Professional courses include industrial hygiene and toxicology, safety engineering and design, systems safety, safety and environmental law, fire prevention, ergonomics, environmental hazard control, OSHA compliance, and program management. Computer skills and experiential learning is heavily emphasized, including laboratory activities, industrial projects and/or internships. Internships may be paid or unpaid and can include academic credit.

The curriculum is a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, graduates may choose to enter the workforce or continue their education with two additional years at the baccalaureate level. The need for Safety/Environmental professionals will continue to grow in response to industry needs. Major employers of our graduates include oil/gas, mining, manufacturing, construction, and insurance companies in the private sector. State and Federal governments also seek safety graduates striving to enhance public health and employee well-being. Increased emphasis on ergonomics, hazardous waste, accident costs, workers' compensation, regulatory compliance, and health hazard control requires the expertise of competent safety professionals.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- SCIE 1100 - Human Biology Credit Hours: 4

#### Major Courses (81 Credit Hours)

- BIOL 1180 - Human Anatomy and Physiology (lecture) Credit Hours: 3
- BIOL 1181 - Human Anatomy and Physiology (lab) Credit Hours: 1
- BSBA 3306 - Business Law I Credit Hours: 3
- CHEM 1102 - General Chemistry II Credit Hours: 4
- MANF 2250 - Total Quality & SPC Credit Hours: 3
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- MATH 1550 - Applied Statistics Credit Hours: 3
- MECH 1100 - Statics Credit Hours: 3
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- PHYS 1102 - Introduction to Physics II Credit Hours: 4
- SCIE 1100 - Human Biology Credit Hours: 4
- SFTY 1100 - Safety and Environmental Components of Industry Credit Hours: 3
- SFTY 1150 - Safety Management and Concepts in Accident Prevention Credit Hours: 3
- SFTY 2250 - Safety Law and Compliance Credit Hours: 3
- SFTY 2280 - Construction Safety & Law Credit Hours: 3
- SFTY 2290 - Industrial Hygiene and Toxicology Credit Hours: 4
- SFTY 2291 - Environmental Engineering Technology: Hazardous Waste Credit Hours: 4
- SFTY 3300 - Industrial Hygiene Applications and Practices Credit Hours: 4

- SFTY 3310 - Ergonomics & Human Factors Credit Hours: 3
- SFTY 3355 - Air & Water Pollution Credit Hours: 3
- SFTY 3360 - Fire Prevention Credit Hours: 3
- SFTY 4415 - Safety Internship Credit Hours: 3
- SFTY 4400 - Safety Engineering Design Credit Hours: 3
- SFTY 4420 - System Safety and Management Credit Hours: 3
- SFTY 4480 - Application of Safety Strategies Credit Hours: 4
- SFTY 2210 - Disaster Preparedness and Emergency Systems Credit Hours: 3
- SPAN 1101 - Elementary Spanish I Credit Hours: 3
- SPAN 1102 - Elementary Spanish II Credit Hours: 3
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- TECH 3300 - Engineering Analysis II Credit Hours: 4

#### Major Electives (8 Credit Hours)

- BSBA 2209 - Principles of Management Credit Hours: 3
- BSBA 3307 - Business Law II Credit Hours: 3
- BSBA 3319 - Employment Law (3)
- CHEM 2201 - Organic Chemistry I Credit Hours: 4
- ELEC 1100 - Circuit Analysis I Credit Hours: 3
- ELEC 2210 - Circuit Analysis II Credit Hours: 3
- MANF 1100 - Materials and Processes Credit Hours: 3
- MANF 2205 - Engineering Economy Credit Hours: 3
- MECH 2200 - Strength of Materials Credit Hours: 4
- MGMT 3308 - Human Resource Management Credit Hours: 3
- MGMT 3370 - Compensation and Benefits (3)
- MGMT 3371 - Employee Relations Credit Hours: 3
- MGMT 3372 - Human Resource Selection and Evaluation Credit Hours: 3
- MGMT 3390 - Organizational Behavior Credit Hours: 3

#### Free Electives

Students must complete a minimum of 9 credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Outdoor Recreation Leadership Minor

The Outdoor Recreation Leadership minor prepares students for professional opportunities in the field of outdoor recreation and is designed to complement of major taken in another field. Course work is focused on leadership training and lifelong physical activity through experiential learning. Students engage in a combination of classroom and field-based coursework to develop technical skills, theoretical knowledge, leadership and teaching ability needed for successful practice as professionals. Students have the opportunity to learn to organize, lead, and manage people, programs and events in a variety of outdoor recreation settings. One of the great values of the Outdoor Recreation Leadership minor lies in enhancing employability in other fields.

Minor Courses (13 Credit Hours)

- RECR 1141 - Foundations of Outdoor Recreation Credit Hours: 3
- RECR 1151 - Backcountry Living Skills Credit Hours: 2
- RECR 2220 - Program Planning and Organization Credit Hours: 3
- PHED 2200 - Accident Analysis and Emergency Care Credit Hours: 2
- RECR 3330 - Group Leadership Credit Hours: 3

#### Minor Electives (4 Credit Hours)

Select two courses from the list below:

- RECR 1150 - Introduction to Rock Climbing Credit Hours: 2
- RECR 1177 - Introduction to Adventure Water Sports Credit Hours: 2
- RECR 1188 - Introduction to Adventure Winter Sports Credit Hours: 2

### Philosophy Minor

Philosophy is neither dogma nor advice for daily living nor a body of truisms. Rather, it examines the premises on which systematic thought may rest; it explores the types of thought that may be produced in such areas of concern as ethics, politics, aesthetics, metaphysics, and epistemology; and it evaluates the advantages and disadvantages inherent in various modes and systems of thought. Thus, philosophy encourages the thinking person to develop a sophisticated self-conception and world-view, and to examine his/her values, expectations, commitments and loyalties in a rational and realistic manner.

#### Minor Courses (6 Credit Hours)

- PHIL 2200 - Introduction to Philosophy Credit Hours: 3

- PHIL 2250 - Great Philosophers Credit Hours: 3

#### Minor Electives (9 Credit Hours)

Choose from any of the remaining Philosophy courses available.

### Physical Education Pre-K-Adult Teaching Specialization, B.A.

The Bachelor of Arts in Education degree offers a subject specialization in Physical Education, grades Pre-K-Adult. The Physical Education Program is designed to stimulate the development of competencies in the application, analysis and syntheses of concepts related to effective performance of sport and human movement activities. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the physical education coursework prior to student teaching.

See Department of Education for further information on Core Curriculum Requirements for the BA in Education.

#### Degree Requirements

##### Core Curriculum (26-27 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- EDUC 2201 - Instructional Technology Credit Hours: 3
- PHED 1100 - Fitness and Wellness Credit Hours: 2
- ENGL 1102 - Written English II Credit Hours: 3

### **Professional Education (46 Credit Hours)**

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to  
Education Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional  
Technology Credit Hours: 3
- EDUC 2203 - Human Development,  
Learning & Teaching Credit Hours:  
3
- EDUC 2240 - High Incidence  
Disabilities for Educators Credit  
Hours: 3
- EDUC 2241 - Field Experience 2:  
The Learner and Learning  
Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the  
Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4:  
Disciplinary Literacy and  
Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 4480 - Teacher Performance  
Assessment Seminar Credit Hours:  
2
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10
- PHED 3343 - Adapted Physical  
Education Activities Credit Hours: 3

Physical Education Program  
(50 Credit Hours)

- HLTA 3310 - School Health  
Content, Curricula & Programming  
Credit Hours: 3
- PHED 1100 - Fitness and Wellness  
Credit Hours: 2
- PHED 1121 - Introductory Seminar  
in Human Movement Credit Hours:  
2
- PHED 2200 - Accident Analysis and  
Emergency Care Credit Hours: 2
- PHED 2211 - Anatomy and  
Physiology Credit Hours: 4
- PHED 2240 - Outdoor Leisure  
Activities Credit Hours: 2
- PHED 2241 - Gymnastics and  
Dance Credit Hours: 2
- PHED 2243 - Teaching Team  
Passing Sports Credit Hours: 3
- PHED 2244 - Teaching Wall-Net  
Sports Credit Hours: 3
- PHED 2246 - Teaching Striking /  
Target Sports Credit Hours: 3
- PHED 3310 - Motor Behavior Credit  
Hours: 3
- PHED 3312 - Physiology of  
Exercise Credit Hours: 3
- PHED 3313 - Biomechanics Credit  
Hours: 3
- PHED 3323 - Teaching Elementary  
Physical Education Credit Hours: 3
- PHED 3325 - Instructional  
Strategies Credit Hours: 3
- PHED 3343 - Adapted Physical  
Education Activities Credit Hours: 3
- PHED 3350 - Physical Activity &  
Fitness Education Credit Hours: 3
- PHED 4431 - Methods and  
Materials in Teaching Physical  
Education Credit Hours: 3

Degree Total = 120 Credit Hours

### **Physics Grades 9-Adult Specialization, B.A.**

Choosing higher-credit hour alternatives in  
the physics curriculum reduces the

minimum number of free elective credit hours required to reach 120 credit hours.

### Degree Requirements

#### Core Curriculum Requirements (19 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

For student in this major, the following course will satisfy both major and core curriculum requirement: ENGL 1102 MATH 2501 CHEM 1105 EDUC 2201

#### Professional Education (49 Credit Hours)

- ENGL 1102 - Written English II Credit Hours: 3
- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2200L - Field Experience I Credit Hours: 0
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II Credit Hours: 3

- EDUC 3341 - Residency 1: Teaching Practice and Assessment Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 4480 - Teacher Performance Assessment Seminar Credit Hours: 2
- EDUC 4483 - Residency 2: Student Teaching for Secondary Credit Hours: 10

#### Major Courses (51-53 Credit Hours)

The above number of credit hours includes courses included as directed Core Curriculum courses)

NOTE: Additional required science and math courses are included as directed Core Curriculum credits. These include an additional 4- credit hours of math and 8-credit hours of chemistry

All courses and Praxis II Exam must be completed prior to admission to Secondary Student Teaching. CHEM 1105 is strongly recommended in place of CHEM 1101 / CHEM 1102, but not required.

- BIOL 1105 - Biological Principles I Credit Hours: 4
- CHEM 1105 - Chemical Principles Credit Hours: 5
- CHEM 2200 - Foundational Biochemistry Credit Hours: 4
- GEOS 3100 - Informal Science Field Experience Credit Hours: 1
- MATH 2501 - Calculus I Credit Hours: 4
- MATH 2502 - Calculus II Credit Hours: 4
- PHSC 4430 - Science Integration Seminar Credit Hours: 1
- PHSC 4431 - Methods and Materials in Teaching Science Credit Hours: 3



- PHYS 1101 - Introduction to Physics I Credit Hours: 4  
AND
- PHYS 1102 - Introduction to Physics II Credit Hours: 4  
OR
- PHYS 1105 - Principles of Physics I Credit Hours: 5  
AND
- PHYS 1106 - Principles of Physics II Credit Hours: 5
- PHYS 2202 - Astronomy Credit Hours: 3
- PHYS 3211 - Intermediate Physics IA - Newtonian Mechanics Credit Hours: 3
- PHYS 3212 - Intermediate Physics IB - Energy Perspectives Credit Hours: 3
- PHYS 3221 - Intermediate Physics IIA - Electric Interactions Credit Hours: 3
- PHYS 3222 - Intermediate Physics IIB - Electromagnetic Interactions and Semiconductor Devices Credit Hours: 3
- PHYS 3230 - Intermediate Physics Laboratory Credit Hours: 2
- PHYS 3335 - Advanced Physics II Credit Hours: 4
- PHYS 3340 - Special Problems Credit Hours: 2
- MATH 2501 - Calculus I Credit Hours: 4  
OR
- TECH 2290 - Engineering Analysis I Credit Hours: 4
- MATH 2502 - Calculus II Credit Hours: 4  
OR
- TECH 3300 - Engineering Analysis II Credit Hours: 4

Degree Total = 120-122 Credit Hours

## Physics Minor

Minor Courses (30 Credit Hours)

\*PHYS 1105/PHYS 1106 is strongly recommended in place of PHYS 1101/PHYS 1102, but not required.

- PHYS 1101 - Introduction to Physics I Credit Hours: 4 \*
- PHYS 1102 - Introduction to Physics II Credit Hours: 4 \*
- PHYS 3310 - Electricity and Electronics. Credit Hours: 4
- PHYS 3325 - Advanced Physics I Credit Hours: 4

## Police Academy Minor

Students majoring in any discipline may complete a Police Academy Minor.

Required Courses (21 Credit Hours)

- CRIM 3340 - Criminal Procedure Credit Hours: 3
- CRIM 2202 - Principles of Criminal Law Credit Hours: 3
- CRIM 4401A - Academy Independent Study Credit Hours: 3
- CRIM 4411A - Academy Internship Credit Hours: 12

## Course Admission Requirements

Admission into Crim 4401A and Crim 4411A has a restriction of instructor approval and is subject to meeting Police Academy requirements. Police Academy requirements include completing a formal application process which includes an interview and advisor recommendation; and satisfactory completion of a selection process (criminal history background check, medical examination, drug screen, pass a physical fitness test) for admission into the academy program.

## Political Science Minor

The Political Science curriculum is designed to provide an understanding of the political process in its many manifestations, including the structure of government institutions, the political behavior of individuals and groups, the study of public problems characteristic of modern societies, and a consideration of the interrelationships of institutions at different levels of government.

The principal objectives of the Political Science Program are:

1. To lay the basis for an understanding of governmental and administrative processes for individuals planning public service careers in national, state, or local government
2. To foster an understanding of the substance and methods of the study of government and politics as preparation for graduate work in political science or public administration
3. To provide thorough training for students considering law school.

Courses allow students to concentrate in broad fields and to develop more specialized programs reflecting their particular interests. Generally, 1100- 2200 level courses are survey courses and 3300-4400 level courses cover more specific topics. While both the major and minor in political science typically consist of necessary introductory work, the faculty strongly urges students with a minor in political science to take the Capstone Seminar in Political Science (POLI 4490). Schedules should be planned in consultation with an advisor, and students are encouraged to explore a variety of

courses. Eligible students are also encouraged to intern in Washington, D.C. with the Washington Center for Internships and Academic Seminars (see Special Programs).

### Minor Courses (6 Credit Hours)

- POLI 1100 - American Government  
Credit Hours: 3
- POLI 2200 - Introduction to Political Science  
Credit Hours: 3

### Minor Electives (12 Credit Hours)

Students may choose from any Political Science courses, with their advisor's approval.

## Political Science, B.A.

The Political Science curriculum is designed to provide an understanding of the political process in its many manifestations, including the structure of government institutions, the political behavior of individuals and groups, the study of public problems characteristic of modern societies, and a consideration of the interrelationships of institutions at different levels of government.

The principal objectives of the Political Science Program are:

1. To lay the basis for an understanding of governmental and administrative processes for individuals planning public service careers in national, state, or local government
2. To foster an understanding of the substance and methods of the study of government and politics as preparation for graduate work in political science or public administration

3. To provide thorough training for students considering law school.

Courses allow students to concentrate in broad fields and to develop more specialized programs reflecting their particular interests. Generally, 1100-2200 level courses are survey courses and 3300-4400 level courses cover more specific topics. While both the major and minor in political science typically consist of necessary introductory work, the faculty strongly urges students with a minor in political science to take the Capstone Seminar in Political Science (POLI 4490). Schedules should be planned in consultation with an advisor, and students are encouraged to explore a variety of courses. Eligible students are also encouraged to intern in Washington, D.C. with the Washington Center for Internships and Academic Seminars (see Special Programs).

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Major Courses (21 Credit Hours)

- CRIM 2295 - Ethics in Criminal Justice Credit Hours: 3  
OR
- PHIL 3325 - Ethics Credit Hours: 3
- POLI 1100 - American Government Credit Hours: 3
- POLI 2200 - Introduction to Political Science Credit Hours: 3
- POLI 2210 - Principles of International Relations Credit Hours: 3
- POLI 2220 - Comparative Government Credit Hours: 3

- POLI 4400 - Research in the Social Sciences Credit Hours: 3  
OR
- CRIM 4400 - Research in the Social Sciences Credit Hours: 3
- POLI 4490 - Capstone Seminar in Political Science Credit Hours: 3

##### Major Electives (18 Credit Hours)

Students may choose from any advanced (3300/4400) Political Science or National Security and Intelligence courses.

- POLI 3306 - The American Presidency Credit Hours: 3
- POLI 3307 - Congress and the Legislative Process Credit Hours: 3
- POLI 3310 - Recent Political Theory Credit Hours: 3
- POLI 3311 - Global Affairs Credit Hours: 3
- POLI 3315 - National Security and Intelligence Credit Hours: 3
- POLI 3320 - US Foreign Policy Credit Hours: 3
- POLI 3325 - Politics of Intelligence Credit Hours: 3
- POLI 3330 - U.S. National Security Policy Credit Hours: 3
- POLI 3331 - Intelligence and Covert Action Credit Hours: 3
- POLI 3332 - Insurgency and Counterinsurgency Credit Hours: 3
- POLI 3334 - Fundamentals of Defense Intelligence Credit Hours: 3
- POLI 3335 - Congress and National Security Credit Hours: 3
- POLI 3350 - International Law and Organizations Credit Hours: 3
- POLI 3360 - Future Global Crises Credit Hours: 3
- POLI 3365 - Homeland Security Credit Hours: 3
- POLI 3370 - World Religions and Politics Credit Hours: 3
- POLI 3380 - Propaganda and Politics Credit Hours: 3

- POLI 3385 - Politics in Film and Fiction Credit Hours: 3
- POLI 3390 - Law and the Legal System Credit Hours: 3
- POLI 3395 - Constitutional Law Credit Hours: NO CREDITS
- POLI 3333 - Espionage, Counterintelligence and Strategic Deception Credit Hours: 3
- POLI 4404 - Civil Liberties in the US Credit Hours: 3
- POLI 4405 - Terrorism Credit Hours: 3
- POLI 4410 - Problems in American Government Credit Hours: 3
- POLI 4411 - Area Studies Credit Hours: 3
- POLI 4412 - Area Studies Credit Hours: 3
- POLI 4413 - Area Studies Credit Hours: 3
- POLI 4415 - International Problems Credit Hours: 3
- POLI 4420 - Supreme Court of the United States Credit Hours: 3
- POLI 4425 - Military Justice Credit Hours: 3
- POLI 4435 - Intelligence Law Credit Hours: 3
- POLI 4440 - National Security Law Credit Hours: 3
- POLI 4445 - Law of Armed Conflict/International Humanitarian Law Credit Hours: 3
- POLI 4455 - Model United Nations Credit Hours: 1-12
- POLI 4460 - Political Science Practicum Credit Hours: 1-12
- POLI 4499 - Special Topics in Political Science Credit Hours: 1-12
- POLI 4998 - Undergraduate Research Credit Hours: 0-6

Minor Required (18 Credit Hours)

Free Electives (33 Credit Hours)

Students must complete 33 free credit hours of "free" electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Pre-K-Adult Education Specializations, B.A.

Candidates who wish to qualify for teaching in an open or self-contained classroom, Pre-K through Adult, shall complete Core Curriculum, Professional Education, and Specialization requirements. Candidates electing a teaching specialization must include the Methods and Materials course for that comprehensive area. If electing to complete two single-subject specializations, Methods and Materials must be completed for both specializations. The student teaching assignments must also include teaching experience at each developmental level to be named on the license.

### **BACHELOR OF ARTS IN EDUCATION: PRE-K-ADULT EDUCATION (Hours will vary): 120 MINIMUM**

- Core Curriculum Requirements (Hours will vary per content area)
- Professional Education Courses: 39 Credit Hours
- Specializations (Hours will vary)

Choose one of the following options:

1. One comprehensive specialization to teach in grades 5-Adult or 9-Adult the related subjects which comprise the comprehensive specialization.
2. Two single-subject specializations for grades 5-Adult

3. One single-subject specialization for grades 5-Adult or 9-Adult and one specialization for grades 5-9
4. One single specialization for grades 5-Adult or 9-Adult and/or a specialization in either Physical Education or Spanish Pre-K-Adult.

#### Core Curriculum (23-24 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses will satisfy both major and core curriculum requirements: ENGL 1102, ENGL 2220 or ENGL 2221, EDUC 2201

#### Professional Education (49 Credit Hours)

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to Education  
Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional Technology  
Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching  
Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators  
Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment  
Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas  
Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment  
Credit Hours: 2

- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1: Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student Teaching for Secondary  
Credit Hours: 10
- EDUC 4485 - Action Research  
Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours:  
1

#### Spanish Education Requirements (43 Credit Hours)

- ENGL 2220 - World Literature I: Origins to 1650  
Credit Hours: 3  
OR
- ENGL 2221 - World Literature II: 1650 to the Present  
Credit Hours: 3
- SPAN 4431 - Methods: Second Language Acquisition in the Classroom  
Credit Hours: 3
- SPAN 3301 - Spanish Composition and Conversation I  
Credit Hours: 3
- SPAN 3302 - Spanish Composition and Conversation II  
Credit Hours: 3
- SPAN 3310 - Spanish Civilization and Culture  
Credit Hours: 3  
OR
- SPAN 3320 - Latin American Civilization and Culture  
Credit Hours: 3
- SPAN 4400 - Survey of Latin American Literature  
Credit Hours: 3
- SPAN 4401 - Survey of Peninsular Literature  
Credit Hours: 3
- SPAN 4410 - Advanced Skills: Speaking, Writing, Listening and Reading  
Credit Hours: 3
- SPAN 2201 - Intermediate Spanish I  
Credit Hours: 3

- SPAN 2202 - Intermediate Spanish II Credit Hours: 3

Spanish Major Electives (9 Credit Hours)

Select 9 credit-hours from the following:

- SPAN 1199 - Special Topics Credit Hours: 3
- SPAN 2200 - Spanish Language Film and Video Credit Hours: 3
- SPAN 2250 - Spanish For the Medical Professions Credit Hours: 3
- SPAN 2251 - Spanish for Criminal Justice Credit Hours: 3
- SPAN 2252 - Spanish for a World Economy Credit Hours: 3
- SPAN 3300 - Undergraduate Student Exchange Credit Hours: 3-6
- SPAN 3350 - History of the Spanish Language Credit Hours: 3
- SPAN 3399 - Special Topics Credit Hours: 3
- SPAN 4402 - Independent Study Credit Hours: 3-6
- SPAN 4418 - U.S. Hispanic Cultures & Literature Credit Hours: 3
- SPAN 4998 - Undergraduate Research Credit Hours: 0-6

**Professional Writing, Business and Technical Writing Minor**

Minor Courses (6 Credit Hours)

- JOUR 2245 - Reporting and Multimedia News Writing Credit Hours: 3
- JOUR 3315 - Multimedia Publishing Credit Hours: 3

Concentration Requirements (18 credit hours)

- ENGL 1103 - Technical Report Writing Credit Hours: 3

- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 3349 - Advanced Technical Communication Credit Hours: 3

**Professional Writing, Journalism: Technical Writing Option Minor**

Minor Courses (6 Credit Hours)

- JOUR 2245 - Reporting and Multimedia News Writing Credit Hours: 3
- JOUR 3315 - Multimedia Publishing Credit Hours: 3

Concentration Courses (12 Credit Hours)

- ENGL 1103 - Technical Report Writing Credit Hours: 3
- ENGL 3301 - Theories of Language and their Application to English I Credit Hours: 3
- JOUR 3343 - Journalism Internship Credit Hours: 3

Minor Electives (6 Credit Hours)

Select one of the courses below:

- ENGL 3302 - Theories of Language and their Application to English II Credit Hours: 3
- ENGL 3333 - Writing Non-Fiction Credit Hours: 3
- ENGL 3349 - Advanced Technical Communication Credit Hours: 3
- JOUR 3343 - Journalism Internship Credit Hours: 3

**Professional Writing, Multimedia, or Journalism Minor**

Minor Courses (6 Credit Hours)

- JOUR 2245 - Reporting and Multimedia News Writing Credit Hours: 3
- JOUR 3315 - Multimedia Publishing Credit Hours: 3

#### Concentration Courses (12 Credit Hours)

- JOUR 2275 - Media Literacy Credit Hours: 3
- JOUR 2280 - History of American Journalism Credit Hours: 3
- JOUR 3335 - Photojournalism and Digital Imaging Credit Hours: 3
- JOUR 3343 - Journalism Internship Credit Hours: 3

### Psychology Minor

The psychology minor offers students the opportunity to enhance their major academic area with an emphasis on behavioral understanding and insight. To ensure the selection of relevant courses, students interested in obtaining a psychology minor should discuss their plans with a psychology faculty member. Students must meet any prerequisite requirements before taking courses.

#### Minor Courses (3 Credit Hours)

- PSYC 1101 - Introduction to Psychology Credit Hours: 3

#### Minor Electives (15 Credit Hours)

- Any Two Courses from the 2200 Level (6)
- Any Three Courses from the 3300 or 4400 Level (9)

### Psychology, B.S.

Psychology is the science that deals with the study of behavior. The Psychology

Program at Fairmont State has been developed to provide a strong foundation of applied and theoretical knowledge for those students anticipating either future graduate training or immediate employment. All Psychology majors are required to complete a minimum of 49 hours, which allows the student to develop a broad knowledge base within the discipline. The psychology curricula are ideal for students anticipating graduate work in various areas of psychology, social work and counseling. Students who are preparing for the areas of medicine and law also utilize the psychology major.

Psychology majors are encouraged to select a number of elective specialized psychology courses that could serve to expand their breadth of knowledge in particular areas of psychological interest. Students with a B.S. degree in psychology are eligible for a variety of entry-level positions in the areas of education, business, management, advertising, government, health-care, criminal justice and sales.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

Optional: For students in this major, the following courses meet both core curriculum and major requirements: PSYC 1101

##### Major Courses (40 credit hours)

- PSYC 1101 - Introduction to Psychology Credit Hours: 3
- PSYC 2220 - History and Systems of Psychology Credit Hours: 3

- PSYC 2230 - Social Psychology  
Credit Hours: 3  
OR
- SOCY 2230 - Social Psychology  
Credit Hours: 3
- PSYC 2240 - Behavioral Statistics  
Credit Hours: 3  
OR
- SOCY 2240 - Behavioral Statistics  
Credit Hours: 3
- PSYC 3300 - Abnormal Psychology  
Credit Hours: 3
- PSYC 3305 - Research Methods in  
the Behavioral Sciences Credit  
Hours: 4
- PSYC 3330 - Developmental  
Psychology Credit Hours: 3
- PSYC 3350 - Biopsychology Credit  
Hours: 3
- PSYC 3360 - Cognitive Psychology  
Credit Hours: 3  
OR
- PSYC 3370 - Theories of Learning  
Credit Hours: 3
- PSYC 3390 - Research Capstone  
Credit Hours: 3
- PSYC 4400 - Psychometrics Credit  
Hours: 3
- PSYC 4410 - Theories of  
Personality Credit Hours: 3
- PSYC 4470 - Intervention  
Techniques and Applications Credit  
Hours: 3
- PSYC 3310 - Experimental  
Psychology Credit Hours: 3
- PSYC 3320 - Sensation and  
Perception Credit Hours: 3
- PSYC 3360 - Cognitive Psychology  
Credit Hours: 3
- PSYC 3395 - Psychology of  
Substance Abuse Credit Hours: 3
- PSYC 3399 - Special Topics in  
Psychology Credit Hours: 1-12
- PSYC 4460 - Seminar Credit Hours:  
3-6
- PSYC 4480 - Directed Studies  
Credit Hours: 1-3
- PSYC 4485 - Advanced  
Psychometrics Credit Hours: 3
- PSYC 4487 - Practicum I Credit  
Hours: 3
- PSYC 4489 - Practicum II Credit  
Hours: 3
- PSYC 4490 - Directed Research  
Credit Hours: 1-3
- PSYC 4491 - Psychopathology of  
Childhood and Adolescence Credit  
Hours: 3
- PSYC 4493 - The Psychology of  
Aging Credit Hours: 3
- PSYC 4494 - Interpersonal  
Dynamics Credit Hours: 3
- CHEP 3000 - Epidemiology &  
Disease Etiology Credit Hours:
- CHEP 3320 - Behavior Change  
Theory Credit Hours: 3
- CHEP 3345 - Needs Assessment  
Credit Hours: 3
- CHEP 3350 - Program Planning &  
Evaluation Credit Hours: 3
- CHEP 3360 - Communication  
Techniques for Health Promotion  
Credit Hours: 2
- CHEP 4000 - Death, Dying, and  
Caretaking Credit Hours: 3
- CHEP 4001 - Disability,  
Communities, & Health Credit  
Hours: 3
- CHEP 4450 - Program Funding &  
Administration Credit Hours: 3

#### Major Electives (9 credit hours)

PSYC 3360 may be taken as one of the required electives or in the place PSYC 3370 as a required course. PSYC 3360 may not be used as both an elective and a required course.

- PSYC 2250 - Community  
Psychology Credit Hours: 3
- PSYC 2260 - Industrial and  
Personnel Psychology Credit Hours:  
3



Degree Total = 120 Credit Hours

## Psychology, Behavioral Analytics Concentration, B.S.

This B.S. in Psychology concentration in Behavioral Analytics offers students who major in psychology the opportunity to expand their skills in manipulating and analyzing data on a larger scale to become competitive in a job market that is increasingly focused on the use of "Big Data". This specialization is an add-on to the psychology degree, and is to be completed in addition to all psychology major requirements in place of free electives. It is recommended that students who are interested in this specialization possess at least an ACT math score of 21 or above, or its equivalent, in order to be able to register for the required courses.

### Degree Requirements

#### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (40 Credit Hours)

- PSYC 1101 - Introduction to Psychology Credit Hours: 3
- PSYC 2220 - History and Systems of Psychology Credit Hours: 3
- PSYC 2230 - Social Psychology Credit Hours: 3  
OR
- SOCY 2230 - Social Psychology Credit Hours: 3
- PSYC 2240 - Behavioral Statistics Credit Hours: 3  
OR
- SOCY 2240 - Behavioral Statistics Credit Hours: 3

- PSYC 3300 - Abnormal Psychology Credit Hours: 3
- PSYC 3305 - Research Methods in the Behavioral Sciences Credit Hours: 4
- PSYC 3330 - Developmental Psychology Credit Hours: 3
- PSYC 3350 - Biopsychology Credit Hours: 3
- PSYC 3360 - Cognitive Psychology Credit Hours: 3  
OR
- PSYC 3370 - Theories of Learning Credit Hours: 3
- PSYC 3390 - Research Capstone Credit Hours: 3
- PSYC 4400 - Psychometrics Credit Hours: 3
- PSYC 4410 - Theories of Personality Credit Hours: 3
- PSYC 4470 - Intervention Techniques and Applications Credit Hours: 3

#### Major Electives (9 Credit Hours)

PSYC 3360 Cognitive Psychology may be taken as one of the required electives or in the place of PSYC 3370 as a required course. PSYC 3360 may not be used as both an elective course and a required course.

\*Course may be taken to partially fulfill psychology elective requirement.

- PSYC 2250 - Community Psychology Credit Hours: 3 \*
- PSYC 2260 - Industrial and Personnel Psychology Credit Hours: 3 \*
- PSYC 3310 - Experimental Psychology Credit Hours: 3
- PSYC 3320 - Sensation and Perception Credit Hours: 3 \*
- PSYC 3360 - Cognitive Psychology Credit Hours: 3

- PSYC 3395 - Psychology of Substance Abuse Credit Hours: 3
- PSYC 3399 - Special Topics in Psychology Credit Hours: 1-12 \*
- PSYC 4460 - Seminar Credit Hours: 3-6
- PSYC 4480 - Directed Studies Credit Hours: 1-3 \*
- PSYC 4485 - Advanced Psychometrics Credit Hours: 3 \*
- PSYC 4487 - Practicum I Credit Hours: 3 \*
- PSYC 4489 - Practicum II Credit Hours: 3 \*
- PSYC 4490 - Directed Research Credit Hours: 1-3 \*
- PSYC 4491 - Psychopathology of Childhood and Adolescence Credit Hours: 3 \*
- PSYC 4493 - The Psychology of Aging Credit Hours: 3 \*
- PSYC 4494 - Interpersonal Dynamics Credit Hours: 3 \*

Specialization Requirements (18 Credit Hours)

- MATH 1550 - Applied Statistics Credit Hours: 3
- COMP 1110 - Introduction to Programming Credit Hours: 3
- COMP 2541 - Fundamentals of Data Science Credit Hours: 3
- COMP 2542 - Applied Data Science Credit Hours: 3
- COMP 4450 - Introduction to Data Mining Credit Hours: 3
- COMP 4510 - Data Science Capstone Credit Hours: 3

Degree Total = 120 Credit Hours

## Regents Bachelor of Arts (RBA) Degree Program

The Regents Bachelor of Arts (RBA) Degree Program is a flexible, nontraditional program designed for adults in the belief that they are distinctly different from traditional undergraduates in their educational needs. The program can be tailored to fit those who need a degree for career advancement, those who have an associate degree in a field in which there is no corresponding bachelor's degree available, or those who seek intellectual development and personal fulfillment. The RBA degree has particular appeal for persons who have completed some college work in past years but did not obtain a degree.

### Admission

Students who have graduated from high school at least four years ago and who have not completed a bachelor's degree are eligible for admission to the RBA program. Persons with high school equivalency certificates may be admitted four years after their high school class graduated. If an applicant has previous college credit, failing grades of F received four years or more before admission to the RBA program are disregarded from the student's GPA calculation once graduation requirements have been met.

Admission to the RBA Degree Program requires that the RBA Admissions Form be completed instead of the standard application to Fairmont State. However, all other admissions criteria such as submission of official high school and/or college transcripts and immunization records required for admission to Fairmont State are also required for RBA program admission. Admission to the RBA program does not provide for automatic admission to other programs at Fairmont State. Any RBA student must reapply and

meet all admission requirements when changing from the Regents Bachelor of Arts (RBA) Degree Program to any other degree program at Fairmont State.

## **Degree Requirements**

To qualify for graduation, candidates must accumulate a total of 120 credit hours of credit with a minimum quality point average of 2.00. At least 39 hours must be at the upper (3300 or 4400) level. Students must complete 36 credit hours of General Studies courses, including the required credit hours in each of the following areas: Communications (6), Social Sciences (6), Natural Sciences (6), Mathematics or Computer Applications (3), Humanities (6), and 9 additional General Studies hours. At least 24 credit hours must be taken in the West Virginia State System of Higher Education and at least 12 of those credit hours must be completed at Fairmont State. The RBA is an interdisciplinary degree with no major area of emphasis. A minor field of study may be declared but is not required.

## **College-Equivalent Credit**

A unique feature of the RBA Degree Program is the possibility of obtaining college-equivalent credit for demonstrated college-level knowledge that has been learned in environments and agencies outside the classroom. To earn credit, students must demonstrate knowledge of learning objectives and outcomes equivalent to specific courses taught at Fairmont State or within the West Virginia State System of Higher Education. Students who have obtained any professional, state, or national licenses or certifications can request a review of the credentials to determine if they are eligible to receive college credit.

Portfolio evaluations are completed for enrolled students by faculty members who teach the course for which credit is sought. Portfolios should be submitted prior to semester midterm to ensure that sufficient time is available for evaluation. The fee for portfolio evaluation is \$300 regardless of whether or not credit is awarded. If credit is recommended, then the faculty members will also recommend the number of credit hours to be awarded along with the appropriate level (upper or lower). An additional \$10 per credit hour processing fee is required to transcript the credit.

Credit earned via portfolio or prior learning assessment does not count toward meeting the state or institutional residency requirements for the RBA program. Awarded credit hours will not be posted to a student's academic transcript until after residency requirements have been met.

Academic credit will only be awarded to students who are admitted to and currently enrolled in the RBA Degree Program. Students, however, cannot be awarded college-equivalent credit during their first or final semesters in the RBA program.

## **WVROCKS/RBAS Courses**

Students admitted to the RBA Degree Program are eligible to enroll in courses available through the West Virginia Remote Online Collaborative Knowledge System (WVROCKS), which provides access to courses taught at colleges and universities across West Virginia via a statewide portal. The courses, given the prefix RBAS at Fairmont State, are all online, compressed (8-weeks), mostly upper level, and available only to RBA students.

For more information on the RBA program or the WVROCKS/RBAS courses, contact Pamela Stephens, Coordinator of the RBA

Degree Program, 225 Turley Student Services Center, (304) 367-4709, [rba@fairmontstate.edu](mailto:rba@fairmontstate.edu).

Safety Engineering Technology, A.S.

## **ASSOCIATE OF SCIENCE IN SAFETY ENGINEERING TECHNOLOGY: 60 CREDIT HOURS**

Required Courses (60 Credit Hours)

- BIOL 1180 - Human Anatomy and Physiology (lecture) Credit Hours: 3
- BIOL 1181 - Human Anatomy and Physiology (lab) Credit Hours: 1
- CHEM 1101 - General Chemistry Credit Hours: 4
- CHEM 1102 - General Chemistry II Credit Hours: 4
- COMM 2200 - Introduction to Human Communication Credit Hours: 3
- OR
- COMM 2201 - Introduction to Group Discussion Credit Hours: 3
- OR
- COMM 2202 - Introduction to Communication in the World of Work Credit Hours: 3
- ENGL 1101 - Written English I Credit Hours: 3-4 (3 Credits Required)
- ENGL 1102 - Written English II Credit Hours: 3
- MATH 1510 - Applied Technical Mathematics I Credit Hours: 3
- MATH 1520 - Applied Technical Mathematics II Credit Hours: 3
- PHYS 1101 - Introduction to Physics I Credit Hours: 4
- SCIE 1100 - Human Biology Credit Hours: 4

- SFTY 1100 - Safety and Environmental Components of Industry Credit Hours: 3
- SFTY 1150 - Safety Management and Concepts in Accident Prevention Credit Hours: 3
- SFTY 2250 - Safety Law and Compliance Credit Hours: 3
- SFTY 2280 - Construction Safety & Law Credit Hours: 3
- SFTY 2290 - Industrial Hygiene and Toxicology Credit Hours: 4
- SFTY 2291 - Environmental Engineering Technology: Hazardous Waste Credit Hours: 4
- SFTY 3360 - Fire Prevention Credit Hours: 3
- Technical Elective (2)

## **School Health Education 5-Adult Teaching Specialization, B.A.**

The Bachelor of Arts in Education degree offers a subject specialization in Health Education, grades 5-Adult. Teacher candidates must meet all requirements for entry into the teacher education program and achieve a 2.75 GPA in the health education coursework prior to student teaching.

## **SCHOOL HEALTH EDUCATION 5-ADULT TEACHING SPECIALIZATION: 120 Credit Hours**

Health Education Curriculum (see below): 40 Credit Hours  
General Studies Requirements: 39-41 Credit Hours  
Professional Education Courses: 39 Credit Hours  
Free Electives: 0-2 Credit Hours

Degree Requirements

### Core Curriculum Requirements (30 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

### Professional Education (39 Credit Hours)

- EDUC 2200 - Introduction to Education Credit Hours: 3
- EDUC 2201 - Instructional Technology Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators Credit Hours: 3
- EDUC 2260 - Instructional Design I Credit Hours: 3
- EDUC 2265 - Field Experience 2 Credit Hours: 1
- EDUC 3331 - Reading in the Content Areas Credit Hours: 3
- EDUC 3340 - Instructional Design II Credit Hours: 3
- EDUC 3351 - Inclusive Classroom Practices for Individual Differences Credit Hours: 3
- EDUC 3365 - Field Experience 3 Credit Hours: 2
- EDUC 4485 - Action Research Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours: 1
- EDUC 4496 - Secondary Student Teaching Credit Hours: 10

### School Health Education Program (40 Credit Hours)

- NUTR 1110 - Nutrition Credit Hours: 3
- HLTA 1150 - Introduction to Health Education Credit Hours: 3
- HLTA 2202 - Environmental Health Credit Hours: 3

- HLTA 2203 - Contemporary Drug and Behavior Issues Credit Hours: 3
- HLTA 2210 - Disease Etiology Credit Hours: 3
- HLTA 3310 - School Health Content, Curricula & Programming Credit Hours: 3
- HLTA 3315 - Healthy Sexuality Credit Hours: 3
- HLTA 3325 - Instructional Strategies and Planning in School Health Credit Hours: 3
- HLTA 3355 - Readings in Health Education Credit Hours: 2
- HLTA 3360 - Communication Techniques for Health Promotion Credit Hours: 2
- HLTA 4400 - Health Education in the Elementary School Credit Hours: 3
- HLTA 4431 - Methods & Materials in School Health Instruction Credit Hours: 3
- PHED 2200 - Accident Analysis and Emergency Care Credit Hours: 2
- PHED 2211 - Anatomy and Physiology Credit Hours: 4

Total Degree Credits Hours: 120

### School Nurse Certificate Program

The School Nurse program is open to students who currently possess an unencumbered WV RN licensure (BSN prepared) or are in their last semester of a BSN program. Completion of the School Nurse certification program allows the baccalaureate prepared RN to serve as a school nurse in a Pre-K through adult setting. Interested students should contact the Dean of the College of Nursing or the Dean of the College of Education, Health and Human Performance. The requirements are as follows.

1. An active unencumbered RN license in WV.
2. Have a Bachelor of Science in Nursing Degree.
3. Complete EDUC 2200 - Introduction to Education
4. Acceptable scores on the CORE Reading, Writing and Mathematics tests
5. Completion of NURS 4441 with a grade of "C" or higher.

### **Social Studies Grades 5-Adult Teaching Specialization, B.A.**

The Social Studies 5-Adult Comprehensive Specialization is intended for those students preparing to teach in elementary, middle, or secondary schools. This degree program leads to a B.A. in Education with teacher certification in West Virginia. It provides the interdisciplinary foundation necessary for teaching an integrated social science curriculum. Students desiring to teach a particular subject, such as history, should augment the required courses with appropriate elective hours. Course marked with an asterisk are offered only in the fall semester.

Admission to the program is gained by completing the following requirements: EDUC 2200 with at least a "B" grade; an overall GPA of 2.75 and a Social Studies Curriculum GPA of 2.75; passing scores on all three sections of the CORE Academic Skills for Educators Test; passing a criminal background check; submitting a Declaration of Intent to the Dean of Education; acceptable scores on the ACT or SAT; completion of all Early Field Experiences (contact the College of Education, Health and Human Performance for more details). Successful completion of PRAXIS (PPST) tests in Social Studies and Principles of Learning and Teaching is

necessary in order to graduate and obtain West Virginia certification. Students need passing scores on these tests BEFORE beginning their student teaching placements.

### **Degree Requirements**

#### **Core Curriculum Requirements (17-18 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements: ENGL 1102 HIST 2211 GEOG 2210 POLI 1100 EDUC 2201

#### **Professional Education (49 Credit Hours)**

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to Education  
Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional Technology  
Credit Hours: 3
- EDUC 2203 - Human Development, Learning & Teaching  
Credit Hours: 3
- EDUC 2240 - High Incidence Disabilities for Educators  
Credit Hours: 3
- EDUC 2241 - Field Experience 2: The Learner and Learning Environment  
Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3: Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the Content Areas  
Credit Hours: 3
- EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment  
Credit Hours: 2

- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom  
Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10
- EDUC 4480 - Teacher Performance  
Assessment Seminar Credit Hours:  
2

#### Major Courses (60 Credit Hours)

- BSBA 2200 - Economics Credit  
Hours: 3
- GEOG 2210 - Introduction to  
Geography Credit Hours: 3
- HIST 1107 - United States History I  
Credit Hours: 3
- HIST 1108 - United States History II  
Credit Hours: 3
- HIST 2211 - World Civilizations I  
Credit Hours: 3
- HIST 2212 - World Civilizations II  
Credit Hours: 3
- HIST 2213 - World Civilizations III  
Credit Hours: 3
- HIST 3302 - West Virginia Credit  
Hours: 3
- HIST 3324 - Recent America from  
1960 to the Present Credit Hours: 3
- HIST 4431 - Recent Europe Credit  
Hours: 3
- POLI 1100 - American Government  
Credit Hours: 3
- POLI 2200 - Introduction to Political  
Science Credit Hours: 3
- PSYC 1101 - Introduction to  
Psychology Credit Hours: 3
- SOCY 1110 - Introductory Sociology  
Credit Hours: 3
- SOCY 3301 - Cultural Anthropology  
Credit Hours: 3

- SSCI 4431 - Methods and Materials  
of Teaching Social Studies Credit  
Hours: 3
- SSCI 4498 - Interdisciplinary  
Seminar Credit Hours: 3

#### Major Required Elective (6 Credit Hours)

Select any geography course.

#### Major Required Electives (6 Credit Hours)

Select 6 credit hours from any of the following disciplines: Economics, Geography, History, Philosophy, Political Science, Psychology and/or Sociology

Degree Total = 120 Credit Hours

### Sociology Minor

MINOR IN SOCIOLOGY: 18 CREDIT HOURS

#### Required Courses (9 Credit Hours)

- SOCY 1110 - Introductory Sociology  
Credit Hours: 3
- SOCY 2200 - Social Problems  
Credit Hours: 3
- SOCY 3301 - Cultural Anthropology  
Credit Hours: 3

#### Electives (9 Credit Hours)

Any three additional courses including PSYC 2230 or SOCY courses from any level.

### Sociology, B.S.

Sociology is the systematic study of society and human activity. The Bachelor of Science degree in Sociology is designed to enhance the student's ability to understand various forms of social and cultural

interaction. With an emphasis on both sociological and anthropological theory and research, the sociology degree is useful preparation for advanced graduate study as well as entry-level employment. The Program will expand a student's ability to question and understand various forms of social interaction in social and cultural systems. The courses offered here will provide knowledge of the substantive areas of sociology and anthropology, the use of concepts and research techniques of sociological investigation, and background in sociological theory.

Students with a B.S. degree in Sociology frequently find employment in entry-level positions within public administration, advertising, business, social service agencies, health services, community planning and teaching. Many sociology majors also pursue graduate study in such areas as sociology, social work, public administration, anthropology and law.

### Degree Requirements

#### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (27 Credit Hours)

\*Offered in the Spring semester only

\*\*Offered in the Fall semester only

- SOCY 1110 - Introductory Sociology  
Credit Hours: 3
  - SOCY 2200 - Social Problems  
Credit Hours: 3
  - SOCY 2205 - Principles of Race, Class, and Gender Credit Hours: 3
  - SOCY 2240 - Behavioral Statistics  
Credit Hours: 3
- OR

- PSYC 2240 - Behavioral Statistics  
Credit Hours: 3
- SOCY 3301 - Cultural Anthropology  
Credit Hours: 3 \*
- SOCY 3360 - Research Methods in the Behavioral Sciences Credit Hours: 4
- SOCY 3370 - Concepts of Survey Design Credit Hours: 3 \*
- SOCY 3395 - Sociological Theory  
Credit Hours: 3 \*\*
- SOCY 4480 - Senior Capstone  
Credit Hours: 3

#### Major Electives (15 Credit Hours)

To satisfy the elective requirements at least one class must be completed from each of the following clusters. The remaining 6 credit hours may be fulfilled by any sociology class not met in the core requirements, at the 2200 level or above; this includes SOCY 1199 - Special Topics in Sociology.

#### Elective Clusters:

##### Organizations and Institutions

- SOCY 3310 - Sociology of the Family Credit Hours: 3
- SOCY 3350 - Sociology of Religion  
Credit Hours: 3
- SOCY 4410 - Sociology of Work  
Credit Hours: 3

##### Stratification and Diversity

- SOCY 2230 - Social Psychology  
Credit Hours: 3
- OR
- PSYC 2230 - Social Psychology  
Credit Hours: 3
  - SOCY 3325 - Work, Stratification, and Class Credit Hours: 3
  - SOCY 4450 - Race and Ethnicity  
Credit Hours: 3



## Social Problems and Collective Behavior

- SOCY 2220 - Population Studies  
Credit Hours: 3
- SOCY 3340 - Juvenile Delinquency  
Credit Hours: 3
- SOCY 3390 - Social Change Credit  
Hours: 3

## Double Major or Minor Required

Students are required to complete a minor, or double major. Typical minors are in Psychology, Community Health, or Criminal Justice. Minor or double major credit hours vary.

Degree Total = 120 Credit Hours

## Sociology, Behavioral Analytics Concentration, B.S.

Sociology is the systematic study of society and human activity. The Bachelor of Science degree in Sociology is designed to enhance the student's ability to understand various forms of social and cultural interaction. With an emphasis on both sociological and anthropological theory and research, the sociology degree is useful preparation for advanced graduate study as well as entry-level employment. The Program will expand a student's ability to question and understand various forms of social interaction in social and cultural systems. The courses offered here will provide knowledge of the substantive areas of sociology and anthropology, the use of concepts and research techniques of sociological investigation, and background in sociological theory.

Students with a B.S. degree in Sociology frequently find employment in entry-level positions within public administration, advertising, business, social service

agencies, health services, community planning and teaching. Many sociology majors also pursue graduate study in such areas as sociology, social work, public administration, anthropology and law.

This Concentration in Behavioral Analytics offers students who major in sociology the opportunity to expand their skills in manipulating and analyzing data on a larger scale to become competitive in a job market that is increasingly focused on the use of "Big Data". This specialization is an add-on to the sociology degree, and is to be completed in addition to all sociology major requirements in place of free electives. It is recommended that students who are interested in this specialization possess at least an ACT math score of 21 or above, or its equivalent, in order to be able to register for the required courses.

## Degree Requirements

### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

### Major Courses (27 credit hours)

- SOCY 1110 - Introductory Sociology  
Credit Hours: 3
- SOCY 2200 - Social Problems  
Credit Hours: 3
- SOCY 2205 - Principles of Race, Class, and Gender Credit Hours: 3
- SOCY 2240 - Behavioral Statistics  
Credit Hours: 3  
OR
- PSYC 2240 - Behavioral Statistics  
Credit Hours: 3
- SOCY 3301 - Cultural Anthropology  
Credit Hours: 3 \*Offered in the  
Spring Semester Only

- SOCY 3360 - Research Methods in the Behavioral Sciences Credit Hours: 4
- SOCY 3370 - Concepts of Survey Design Credit Hours: 3 \*Offered in the Spring semester only
- SOCY 3395 - Sociological Theory Credit Hours: 3  
\*\* Offered in the Fall semester only
- SOCY 4480 - Senior Capstone Credit Hours: 3

#### Major Electives (16 credit hours)

To satisfy the elective requirements at least one class must be completed from each of the following clusters. The remaining 6 credit hours may be fulfilled by any sociology class not met in the major requirements, at the 2200 level or above; this includes SOCY 1199 Special Topics.

#### Organizations and Institutions

- SOCY 3310 - Sociology of the Family Credit Hours: 3
- SOCY 3350 - Sociology of Religion Credit Hours: 3
- SOCY 4410 - Sociology of Work Credit Hours: 3

#### Stratification and Diversity

- SOCY 2230 - Social Psychology Credit Hours: 3  
OR
- PSYC 2230 - Social Psychology Credit Hours: 3
- SOCY 3325 - Work, Stratification, and Class Credit Hours: 3
- SOCY 4450 - Race and Ethnicity Credit Hours: 3

#### Social Problems and Collective Behavior

- SOCY 2220 - Population Studies Credit Hours: 3

- SOCY 3340 - Juvenile Delinquency Credit Hours: 3
- SOCY 3390 - Social Change Credit Hours: 3

#### Specialization Requirements (18 Credit Hours)

- MATH 1550 - Applied Statistics Credit Hours: 3
- COMP 1110 - Introduction to Programming Credit Hours: 3
- COMP 2541 - Fundamentals of Data Science Credit Hours: 3
- COMP 2542 - Applied Data Science Credit Hours: 3
- COMP 4450 - Introduction to Data Mining Credit Hours: 3
- COMP 4510 - Data Science Capstone Credit Hours: 3

Degree Total = 120 Credit Hours

#### Spanish (Pre-K-Adult), Teaching Endorsement

The Department of Humanities cooperates with the Department of Education in meeting its mission to prepare candidates for a Bachelors of Arts degree in Education with Spanish endorsement for grades PreK-Adult. **The Spanish endorsement must be combined another B.A. in Education degree program.** Field experiences and student teaching in an approved classroom for Spanish endorsement are required.

All students who have taken Spanish in high school should take a placement test to determine at what level they begin. Students who test out of beginning courses may receive credit for these courses by asking their instructor to complete Credit by Exam paperwork, and paying a fee.

Visit the Department of Education page for complete program requirements.

## Endorsement Requirements

### Spanish Course (33 Credit Hours)

- SPAN 2201 - Intermediate Spanish I Credit Hours: 3
- SPAN 2202 - Intermediate Spanish II Credit Hours: 3
- SPAN 3301 - Spanish Composition and Conversation I Credit Hours: 3
- SPAN 3302 - Spanish Composition and Conversation II Credit Hours: 3
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3
- OR
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 4400 - Survey of Latin American Literature Credit Hours: 3
- SPAN 4401 - Survey of Peninsular Literature Credit Hours: 3
- SPAN 4411 - Spanish Capstone: Proficiency Portfolio Credit Hours: 1

### Spanish Elective

- SPAN 1199 - Special Topics Credit Hours: 3
- SPAN 2200 - Spanish Language Film and Video Credit Hours: 3
- SPAN 3300 - Undergraduate Student Exchange Credit Hours: 3-6
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3
- OR
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 4418 - U.S. Hispanic Cultures & Literature Credit Hours: 3

## Spanish Minor

### Required Minor Courses

- SPAN 2201 - Intermediate Spanish I Credit Hours: 3
- SPAN 2202 - Intermediate Spanish II Credit Hours: 3
- SPAN 3301 - Spanish Composition and Conversation I Credit Hours: 3
- SPAN 3302 - Spanish Composition and Conversation II Credit Hours: 3

### Required Minor Electives (6 Credit Hours)

#### Group 1

(Choose 1 course)

- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 4400 - Survey of Latin American Literature Credit Hours: 3
- SPAN 4401 - Survey of Peninsular Literature Credit Hours: 3

#### Group 2

(Choose 1 course)

- SPAN 1199 - Special Topics Credit Hours: 3
- SPAN 2200 - Spanish Language Film and Video Credit Hours: 3
- SPAN 2250 - Spanish For the Medical Professions Credit Hours: 3
- SPAN 2251 - Spanish for Criminal Justice Credit Hours: 3
- SPAN 2252 - Spanish for a World Economy Credit Hours: 3
- SPAN 3300 - Undergraduate Student Exchange Credit Hours: 3-6
- SPAN 3350 - History of the Spanish Language Credit Hours: 3

Total Hours for Minor: 18

## Spanish Pre-K - Adult, Teaching Specialization, B.A.

The United States is now home to over 41 million native speakers of Spanish plus 11 million English-Spanish bilingual speakers, making this country the second largest Spanish-speaking country in the world only second to Mexico with 121 speakers (www.cervantes.es). There is now a widespread need for professionals who can show Spanish proficiency in professions such as criminal justice, national security, social work, business and banking and nursing, as well as in education--where the need for Spanish teachers for K-12 grades is also increasing.

The Spanish program at Fairmont State is designed to address the linguistic and cultural proficiency needs of our students by gradually developing speaking, comprehension, reading and writing skills while gaining an understanding of Spanish-speaking cultures both outside and inside of the United States. The Spanish program adheres to the Standards of Foreign Language Learning established by the American Council on the Teaching of Foreign Languages (ACTFL).

Students are strongly encouraged to integrate Spanish into their chosen careers as double majors, or as minors. In addition, both Elementary and Secondary Education students can choose to obtain a Bachelor of Arts in Education with a teaching specialization in Spanish for grades PreK-Adult, or may add this specialization to another teaching field. The program offers a variety of courses aimed at helping students reach their career goals, including Spanish for the Medical Professions, Spanish for Criminal Justice and Spanish for the World Economy (Business). Spanish majors are strongly encouraged to spend at least one semester abroad in a Spanish-speaking country, preferably but not necessarily in their junior year. Students have the option of traveling to a Spanish-

speaking country and doing research on an approved topic, for which they will receive 3-6 credit hours (SPAN 4402). Students in approved internships (SPAN 3300) will receive 3-6 upper-division credit hours, depending upon the type and duration of the internship.

All students who have taken Spanish in high school should take a placement test to determine at what level they should begin. Students who test out of beginning courses may receive credit for these courses by asking their instructor to complete Credit by Exam paperwork, and paying a fee.

Students in the Spanish BA in Education program and the MAT program with a concentration in Spanish must take the ACTFL Oral Proficiency Interview and attain a score of Advanced Low on this exam in order to graduate with a Spanish Education degree from Fairmont State. Students must have their scores officially reported to Fairmont State College of Education, Health and Human Performance. Students may repeat SPAN 4410 Advanced Skills to increase their chances of success on this exam. Spanish Education students who fail to attain the Advanced Low level may qualify for a BA in Spanish until they can meet this standard.

## **Degree Requirements**

### **Core Curriculum (23-24 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program.

For students in this major, the following courses will satisfy both major and core curriculum requirements: ENGL 1102, ENGL 2220 or ENGL 2221, EDUC 2201

### **Professional Education (49 Credit Hours)**

- ENGL 1102 - Written English II  
Credit Hours: 3
- EDUC 2200 - Introduction to  
Education Credit Hours: 3
- EDUC 2200L - Field Experience I  
Credit Hours: 0
- EDUC 2201 - Instructional  
Technology Credit Hours: 3
- EDUC 2203 - Human Development,  
Learning & Teaching Credit Hours:  
3
- EDUC 2240 - High Incidence  
Disabilities for Educators Credit  
Hours: 3
- EDUC 2241 - Field Experience 2:  
The Learner and Learning  
Environment Credit Hours: 1
- EDUC 2260 - Instructional Design I  
Credit Hours: 3
- EDUC 2261 - Field Experience 3:  
Learning Context and Teaching  
Credit Hours: 2
- EDUC 3331 - Reading in the  
Content Areas Credit Hours: 3
- EDUC 3334 - Field Experience 4:  
Disciplinary Literacy and  
Assessment Credit Hours: 2
- EDUC 3340 - Instructional Design II  
Credit Hours: 3
- EDUC 3341 - Residency 1:  
Teaching Practice and Assessment  
Credit Hours: 5
- EDUC 3351 - Inclusive Classroom  
Practices for Individual Differences  
Credit Hours: 3
- EDUC 4483 - Residency 2: Student  
Teaching for Secondary Credit  
Hours: 10
- EDUC 4485 - Action Research  
Credit Hours: 1
- EDUC 4486 - Portfolio Credit Hours:  
1

Spanish Education Requirements (40 Credit Hours)

- ENGL 2220 - World Literature I:  
Origins to 1650 Credit Hours: 3

OR

- ENGL 2221 - World Literature II:  
1650 to the Present Credit Hours: 3
  - SPAN 2201 - Intermediate Spanish I  
Credit Hours: 3
  - SPAN 2202 - Intermediate Spanish  
II Credit Hours: 3
  - SPAN 3301 - Spanish Composition  
and Conversation I Credit Hours: 3
  - SPAN 3302 - Spanish Composition  
and Conversation II Credit Hours: 3
  - SPAN 3310 - Spanish Civilization  
and Culture Credit Hours: 3
- OR
- SPAN 3320 - Latin American  
Civilization and Culture Credit  
Hours: 3
  - SPAN 4400 - Survey of Latin  
American Literature Credit Hours: 3
  - SPAN 4401 - Survey of Peninsular  
Literature Credit Hours: 3
  - SPAN 4410 - Advanced Skills:  
Speaking, Writing, Listening and  
Reading Credit Hours: 3
  - SPAN 4411 - Spanish Capstone:  
Proficiency Portfolio Credit Hours: 1
  - SPAN 4431 - Methods: Second  
Language Acquisition in the  
Classroom Credit Hours: 3

Spanish Major Electives (9 Credit Hours)

**Select 9 credit hours from the list below.**

- SPAN 1199 - Special Topics Credit  
Hours: 3
- SPAN 2200 - Spanish Language  
Film and Video Credit Hours: 3
- SPAN 2250 - Spanish For the  
Medical Professions Credit Hours: 3
- SPAN 2251 - Spanish for Criminal  
Justice Credit Hours: 3
- SPAN 2252 - Spanish for a World  
Economy Credit Hours: 3
- SPAN 3300 - Undergraduate  
Student Exchange Credit Hours: 3-6
- SPAN 4402 - Independent Study  
Credit Hours: 3-6

- SPAN 4418 - U.S. Hispanic Cultures & Literature Credit Hours: 3
- SPAN 4998 - Undergraduate Research Credit Hours: 0-6

#### Free Electives (9 credit hours)

Students must complete a minimum of 9 credit hours of electives to complete the total degree requirements

**Degree Total = 120 Credit Hours**

### Spanish, B.A.

The United States is now home to over 41 million native speakers of Spanish plus 11 million English-Spanish bilingual speakers, making this country the second largest Spanish-speaking country in the world only second to Mexico with 121 speakers ([www.cervantes.es](http://www.cervantes.es)). There is now a widespread need for professionals who can show Spanish proficiency in professions such as criminal justice, national security, social work, business and banking and nursing, as well as in education-- where the need for Spanish teachers for K-12 grades is also increasing.

The Spanish program at Fairmont State is designed to address the linguistic and cultural proficiency needs of our students by gradually developing speaking, comprehension, reading and writing skills while gaining an understanding of Spanish-speaking cultures both outside and inside of the United States. The Spanish program adheres to the Standards of Foreign Language Learning established by the American Council on the Teaching of Foreign Languages (ACTFL).

Students are strongly encouraged to integrate Spanish into their chosen careers as double majors, or as minors. In addition, both Elementary and Secondary Education

students can choose to obtain a Bachelor of Arts in Education with a teaching specialization in Spanish for grades Pre-K-Adult, or may add this specialization to another teaching field. The program offers a variety of courses aimed at helping students reach their career goals, including Spanish for the Medical Professions, Spanish for Criminal Justice and Spanish for the World Economy (Business).

Spanish majors are strongly encouraged to spend at least one semester abroad in a Spanish-speaking country, preferably but not necessarily in their junior year. Students have the option of traveling to a Spanish-speaking country and doing research on an approved topic, for which they will receive 3-6 credit hours (SPAN 4402). Students in approved internships (SPAN 3300) will receive 3-6 upper-division credit hours, depending upon the type and duration of the internship.

All students who have taken Spanish in high school should take a placement test to determine at what level they should begin. Students who test out of beginning courses may receive credit for these courses by asking their instructor to complete Credit by Exam paperwork, and paying a fee.

Students in the Spanish BA program must take the ACTFL Oral Proficiency Interview as part of the Departmental Assessment Program and must have their scores officially reported to the Spanish Coordinator. The target score for all Spanish majors is Advanced Low; however Spanish BA students are not required to attain this level for graduation. Students are responsible for all test costs.

#### Degree Requirements

##### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

#### Major Courses (25 Credit Hours)

- SPAN 2201 - Intermediate Spanish I Credit Hours: 3
- SPAN 2202 - Intermediate Spanish II Credit Hours: 3
- SPAN 3301 - Spanish Composition and Conversation I Credit Hours: 3
- SPAN 3302 - Spanish Composition and Conversation II Credit Hours: 3
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3  
OR
- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 4400 - Survey of Latin American Literature Credit Hours: 3
- SPAN 4401 - Survey of Peninsular Literature Credit Hours: 3
- SPAN 4410 - Advanced Skills: Speaking, Writing, Listening and Reading Credit Hours: 3
- SPAN 4411 - Spanish Capstone: Proficiency Portfolio Credit Hours: 1

#### Major Electives (6 Credit Hours)

##### Choose Two Courses (6 credit hours)

- SPAN 1199 - Special Topics Credit Hours: 3
- SPAN 2200 - Spanish Language Film and Video Credit Hours: 3
- SPAN 2250 - Spanish For the Medical Professions Credit Hours: 3
- SPAN 2251 - Spanish for Criminal Justice Credit Hours: 3
- SPAN 2252 - Spanish for a World Economy Credit Hours: 3
- SPAN 3300 - Undergraduate Student Exchange Credit Hours: 3-6
- SPAN 3310 - Spanish Civilization and Culture Credit Hours: 3  
OR

- SPAN 3320 - Latin American Civilization and Culture Credit Hours: 3
- SPAN 3350 - History of the Spanish Language Credit Hours: 3
- SPAN 4402 - Independent Study Credit Hours: 3-6 (3 Credits Required)
- SPAN 4418 - U.S. Hispanic Cultures & Literature Credit Hours: 3
- SPAN 4431 - Methods: Second Language Acquisition in the Classroom Credit Hours: 3

#### Minor Requirements/Electives

##### Minor Optional: 56-59 credit hours

Degree Total = 120 Credit Hours

#### Strategic Leadership, B.S.

The College of Business & Aviation offers an online adult degree completion program -Bachelor of Science in Strategic Leadership (BSSL)-through online delivery, providing an opportunity for students to obtain a bachelor's degree who possess an associate degree from a regionally accredited institution, or who have 60 or more hours of transferable college credit at one, or more, regionally accredited institution. This degree is similar in design to the Regents Bachelor of Arts, except that it provides a specific concentration, or focus, to offer completers a credential for workplace readiness or career advancement.

#### Degree Requirements

##### Core Curriculum Requirements (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

##### Required Major Courses (30 credit hours)

Major Electives (60 Credit Hours)

Degree Total = 120 Credit Hours

### **Studio Art, Cross-Media Concentration, B.A.**

The Studio Art Program is designed for students who wish to concentrate on a specific studio discipline in the visual arts. The program requires a Foundations level of course work, which focuses on skill-building, exposure to various media, and art history. The Foundations level is followed by intense study in the chosen discipline. Three tracks are available: Drawing/Painting; Pottery/Sculpture; and Cross/Electronic Media. Additionally, the department offers optional gallery management opportunities. The program is appropriate for students who wish to work as independent artists, those who are interested in the M.A.T. with a concentration in Visual Art, and for those who wish to continue their education in Visual Art at the graduate level. Yearly portfolio reviews are required for continuation in the program.

#### **Degree Requirements**

##### **Core Curriculum (30-33 Credit Hours)**

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- ART 2245 - E. Foundations Credit Hours: 3

##### **Major Courses (33 Credit Hours)**

##### **Core Requirements (21 Credit Hours)**

- ART 1140 - Design I: 2D Credit Hours: 3
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3
- ART 2245 - E. Foundations Credit Hours: 3
- ART 2261 - Painting I: Foundations of Painting Credit Hours: 3
- ART 2283 - Sculpture I: Foundations of Sculpture Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3

##### **Art History Requirements (12 Credit Hours)**

- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3

##### **Concentration Requirements (18 Credit Hours)**

The intent of this concentration is to allow students to design a curriculum that includes traditional and electronic media. Students will work with an advisor to gear choices to the nature of the work to be pursued.

In addition to courses included in the Foundations Curriculum, students may choose from 2-Dimensional, 3-Dimensional or Cross /Electronic media courses in the Art Department:

- ART 3341 - Printmaking I Credit Hours: 3
- ART 3342 - Printmaking II Credit Hours: 3



- ART 3345 - E. Intermediate Credit Hours: 3
- ART 4445 - E. Advanced Credit Hours: 3
- ART 4467 - Area Studies I Credit Hours: 3
- ART 4472 - Virtual Exhibition Credit Hours: 3

#### Free Electives

Students must complete a minimum of 33 free credit hours electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Studio Art, Painting Concentration, B.A.

The Studio Art Program is designed for students who wish to concentrate on a specific studio discipline in the visual arts. The program requires a Foundations level of course work, which focuses on skill-building, exposure to various media, and art history. The Foundations level is followed by intense study in the chosen discipline. Three tracks are available: Drawing/Painting; Pottery/Sculpture; and Cross/Electronic Media. Additionally, the department offers optional gallery management opportunities. The program is appropriate for students who wish to work as independent artists, those who are interested in the M.A.T. with a concentration in Visual Art, and for those who wish to continue their education in Visual Art at the graduate level. Yearly portfolio reviews are required for continuation in the program.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- ART 2245 - E. Foundations Credit Hours: 3

##### Major Courses (33 Credit Hours)

##### Core Requirements (21 Credit Hours)

- ART 1140 - Design I: 2D Credit Hours: 3
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3
- ART 2245 - E. Foundations Credit Hours: 3
- ART 2261 - Painting I: Foundations of Painting Credit Hours: 3
- ART 2283 - Sculpture I: Foundations of Sculpture Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3

##### Art History Requirements (12 Credit Hours)

- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3

##### Concentration Requirements (18 Credit Hours)

- ART 2241 - Drawing II: Drawing from Life Credit Hours: 3
- ART 2262 - Painting II: Intermediate Painting Credit Hours: 3

- ART 3363 - Intermediate Water Media I Credit Hours: 3
- ART 4463 - Advanced Painting Concepts Credit Hours: 3
- ART 4467 - Area Studies I Credit Hours: 3
- ART 4471 - Capstone Experience in Art Credit Hours: 3

#### Free Electives

Students must complete a minimum of 33 free credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Studio Art, Pottery/Sculpture Concentration, B.A.

The Studio Art Program is designed for students who wish to concentrate on a specific studio discipline in the visual arts. The program requires a Foundations level of course work, which focuses on skill-building, exposure to various media, and art history. The Foundations level is followed by intense study in the chosen discipline. Three tracks are available: Drawing/Painting; Pottery/Sculpture; and Cross/Electronic Media. Additionally, the department offers optional gallery management opportunities. The program is appropriate for students who wish to work as independent artists, those who are interested in the M.A.T. with a concentration in Visual Art, and for those who wish to continue their education in Visual Art at the graduate level. Yearly portfolio reviews are required for continuation in the program.

#### Degree Requirements

##### Core Curriculum (30-33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program. For students in this major, the following courses satisfy both core curriculum and major requirements:

- ART 2245 - E. Foundations Credit Hours: 3

#### Major Courses (33 Credit Hours)

##### Core Requirements (21 Credit Hours)

- ART 1140 - Design I: 2D Credit Hours: 3
- ART 1141 - Design II: 3D Credit Hours: 3
- ART 1142 - Drawing I: Foundations of Drawing Credit Hours: 3
- ART 2245 - E. Foundations Credit Hours: 3
- ART 2261 - Painting I: Foundations of Painting Credit Hours: 3
- ART 2283 - Sculpture I: Foundations of Sculpture Credit Hours: 3
- ART 3383 - Pottery I Credit Hours: 2-3

##### Art History Requirements (12 Credit Hours)

- ART 3374 - Art History from Prehistory to 1450 Credit Hours: 3
- ART 3376 - Art History from 1450 to 1750 Credit Hours: 3
- ART 3378 - Art History from 1750 to 1950 Credit Hours: 3
- ART 3380 - Art History since 1950 Credit Hours: 3

##### Concentration Requirements (18 Credit Hours)

- ART 2284 - Sculpture II Credit Hours: 3
- ART 3384 - Pottery II Credit Hours: 2-3 (3 Credits Required)

- ART 4464 - Pottery III Credit Hours: 3
- ART 4465 - Sculpture III Credit Hours: 3
- ART 4467 - Area Studies I Credit Hours: 3
- ART 4471 - Capstone Experience in Art Credit Hours: 3

#### Free Electives

Students must complete a minimum of 33 free credit hours of electives to complete the total degree requirements.

Degree Total = 120 Credit Hours

### Surveying and Geomatics Engineering Technology, BSET

The Surveying & Geomatics Engineering Technology (SGET) major is a 120-credit hour program that provides students with an interdisciplinary program encompassing technology, natural sciences, social sciences, arts, humanities, and general studies. The major prepares graduates with technical skills required to enter careers in land and boundary surveying, geographic information systems, engineering project surveying, photogrammetry, mapping and geodesy, remote sensing, and other related disciplines.

#### Degree Requirements

Core Curriculum 30 - 33 Credit Hours)

For details on the required courses, refer to the Core Curriculum program.

Major Courses (37 Credit Hours)

- SURV 2200 - Professional Surveying Practices Credit Hours: 3

- SURV 2210 - Interpreting Land Records Credit Hours: 3
- SURV 2220 - Surveying Engineering Graphics Credit Hours: 3
- SURV 2230 - Land Survey Boundary Credit Hours: 3
- SURV 2260 - Dendrology Credit Hours: 3
- SURV 2290 - Boundary Retracement Credit Hours: 3
- SURV 3320 - Geodesy Credit Hours: 3
- SURV 3340 - Principles of Photogrammetry Credit Hours: 3
- SURV 3380 - Topographic Surveying Credit Hours: 3
- SURV 4420 - Surveying Practices and Decision-Making Credit Hours: 3
- SURV 4400 - Surveying Internship Credit Hours: 3
- SURV 4480 - Surveying Projects and Applications Credit Hours: 3

#### Free Electives

### Teaching English to Speakers of Other Languages (TESOL) Minor

English is the language of business, diplomacy and science in many parts of the world, and there is a need for those prepared to teach it to speakers of other languages. Completion of this minor will empower future ESL teachers to understand the communication challenges of second-language learners and equip them with best practices and experience in teaching this population. Students completing this minor are encouraged to choose General Studies classes such as HIST 2211, HIST 2212 and HIST 2213 and ENGL 2220 and ENGL 2221 to bring them a wider knowledge of world culture along with their linguistic studies and minor

electives. While this minor does not yet carry certification for teaching English as a Second Language in the public-schools, this credential will make elementary and secondary teaching candidates more attractive to school districts with large non-English speaking populations.

#### Minor Courses (21 Credit Hours)

#### Language Requirement (6 Credit Hours)

Students must take 6 credits of a world language other than English at the 2200 level or above.

#### Language Courses (15 Credit Hours)

- LANG 3300 - Intercultural Communication Credit Hours: 3
- LANG 3301 - Theories of Language and their Application to English I Credit Hours: 3
- LANG 3302 - Theories of Language and their Application to English II Credit Hours: 3
- LANG 4431 - Teaching English to Speakers of Other Languages Credit Hours: 3
- LANG 4432 - Teaching English to Speakers of Other Languages Practicum Credit Hours: 3

#### Minor Electives (3 Credit Hours)

Select one of the following courses:

- BSBA 3320 - International Business Credit Hours: 3
- BSBA 3322 - Managing Business in Europe Credit Hours: 3
- PHIL 3350 - Comparative Religion Credit Hours: 3
- POLI 3311 - Global Affairs Credit Hours: 3
- POLI 3320 - US Foreign Policy Credit Hours: 3

- POLI 3370 - World Religions and Politics Credit Hours: 3
- SOCY 3301 - Cultural Anthropology Credit Hours: 3

### Non-Native Speakers of English

Non-native speakers of English may, with the permission of the Chair of Language & Literature, choose one of the following courses to fulfill this elective:

- INTR 2200 - Race, Class and Gender in Popular Culture Credit Hours: 3
- FOLK 2200 - Introduction to Folklore Credit Hours: 3

### Technology Minor

#### Minor Courses (15 Credit Hours)

- ELEC 1100 - Circuit Analysis I Credit Hours: 3
- TECH 1108 - Engineering Graphics I Credit Hours: 3
- MANF 1100 - Materials and Processes Credit Hours: 3
- MANF 2250 - Total Quality & SPC Credit Hours: 3
- SFTY 1100 - Safety and Environmental Components of Industry Credit Hours: 3

#### Minor Electives (8 Credit Hours)

Advisor approval needed for technology electives.

### Women's and Gender Studies Minor

The Women's and Gender Studies minor provides students with an avenue to explore contemporary and historical women's and gender issues as they relate to traditional academic disciplines and human life. Awareness of women's and gender issues has become an asset in any

profession. Students wishing to elect this minor will need to work closely with their advisor. Most importantly, all component course selections must be made from the approved list of courses published each semester by the Women's and Gender Studies Coordinating Committee.

#### Minor Courses (6 Credit Hours)

- WGST 2201 - Introduction to Women's and Gender Studies  
Credit Hours: 3
- WGST 4402 - Capstone Seminar in Women's and Gender Studies  
Credit Hours: 3

#### Minor Electives (12 Credit Hours)

Select four courses from the following list:

- BSBA 3325 - Women and Work  
Credit Hours: 3
- COMM 4420 - Contemporary Storytelling  
Credit Hours: 3
- CRIM 3304 - The Female Offender  
Credit Hours: 3
- CRIM 3305 - Changing Roles of Women in Criminal Justice  
Credit Hours: 3
- ENGL 3363 - The American Novel  
Credit Hours: 3
- ENGL 3365 - American Modernism  
Credit Hours: 3
- ENGL 3366 - Contemporary Literature  
Credit Hours: 3
- ENGL 3379 - Literature of the Victorian Period  
Credit Hours: 3
- ENGL 3380 - Twentieth-Century British Literature  
Credit Hours: 3
- ENGL 3381 - The British Novel  
Credit Hours: 3
- ENGL 3388 - Women's Literature  
Credit Hours: 3
- ENGL 3389 - Minority Literature  
Credit Hours: 3
- ENGL 3391 - The Short Story  
Credit Hours: 3

- ENGL 3393 - Southern Literature  
Credit Hours: 3
- ENGL 3396 - Literature and Film  
Credit Hours: 3
- FOLK 3301 - Material Culture  
Credit Hours: 3
- FOLK 3302 - Regional Cultural Geography and History  
Credit Hours: 3
- FREN 4426 - Main Currents of French Literature and Culture  
Credit Hours: 3
- HIST 3333 - Women in American History  
Credit Hours: 3
- HIST 3335 - Women in World History  
Credit Hours: 3
- HIST 4450 - History of American Sexualities  
Credit Hours: 3
- WGST 1150 - Women's and Gender Studies Colloquium  
Credit Hours: 1
- INTR 1120 - Experiencing the Arts  
Credit Hours: 3
- SOCY 2205 - Principles of Race, Class, and Gender  
Credit Hours: 3
- SOCY 3310 - Sociology of the Family  
Credit Hours: 3
- SOCY 4450 - Race and Ethnicity  
Credit Hours: 3
- THEA 2251 - Playwriting  
Credit Hours: 3
- THEA 3320 - The Art of Storytelling in Theory and Practice  
Credit Hours: 3

## Course Descriptions

- Prerequisite. These courses must be passed before enrollment in the course in question.
- Co-requisite. Must be taken concurrently with the course in question.
- Writing Intensive Courses (WIC)

### Accounting

#### **ACCT 2500 - Introduction to Financial Accounting**

Credit Hours: 3

This course continues the study of financial accounting including internal controls, balance sheet items, and various business organizations.

**Prerequisite(s):** BSBA 2220

### **ACCT 2550 - Software Essentials**

Credit Hours: 3

This course requires students to complete certification in several software applications including personal productivity and accounting software.

**Prerequisite(s):** BSBA 2220; Accounting Major

### **ACCT 3301 - Intermediate Accounting I**

Credit Hours: 3

Primarily the study of general financial accounting theory as it relates to balance sheet items. Included is a brief review of the accounting cycle and income recognition theory. Current tax regulations are considered where applicable.

**Prerequisite(s):** BSBA 2202, BISM 1500, COMM 2200 COMM 2201 or COMM 2202

### **ACCT 3302 - Intermediate Accounting II**

Credit Hours: 3

A continuation of ACCT 3301, to include the study of corporate ownership equity and the analysis and interpretation of accounting data.

**Prerequisite(s):** ACCT 3301, MATH 1430 or MATH 1530, ENGL 1102

### **ACCT 3303 - Accounting Internship**

Credit Hours: 3

The internship course is designed as a learning experience which requires the integration of accounting theory with actual job experience in an accounting, industrial, or governmental organization. To be eligible for this experience, the student must be enrolled in the 4-year accounting program. The employer is responsible for evaluating and reporting the development of the student. This is a Credit/No Credit course.

**Prerequisite(s):** ACCT 3302

### **ACCT 3325 - Intermediate Accounting III**

Credit Hours: 3

A continuation of the study of financial

accounting theory and practices. Topics include accounting for income taxes, pensions and other post-retirement benefits, leases, cash flows, and disclosure standards.

**Prerequisite(s):** ACCT 3302

### **ACCT 3330 - Advanced Accounting I**

Credit Hours: 3

Includes accounting for special situations: partnerships, installment and consignment sales, home office-branch relationships, consolidations, and fund accounting.

Attention is focused on the current AICPA position relative to these special accounting situations.

**Prerequisite(s):** ACCT 3302

### **ACCT 3331 - Advanced Accounting II**

Credit Hours: 3

A continuation of ACCT 3330; exploration of advanced accounting topics.

**Prerequisite(s):** ACCT 3330

### **ACCT 3340 - Cost Accounting**

Credit Hours: 3

This course examines the relationship of cost accounting to the company's performance, with an emphasis on planning, controlling, and decision-making.

**Prerequisite(s):** ACCT 2500

### **ACCT 3350 - Accounting Information Systems**

Credit Hours: 3

This course is designed to introduce students to accounting information systems. It focuses on understanding the different types of accounting systems, their internal controls (including security issues), development, and information systems auditing concepts.

**Prerequisite(s):** BSBA 2202

### **ACCT 3399 - Special Topics in Accounting**

Credit Hours: 1-6

Advanced studies in special selected topics, to be determined by the instructor and approved by the College Dean.

Credits earned will be applicable as free electives in degree programs.

**ACCT 3801 - Certified Management Accountant Exam I**

Credit Hours: 3

This elective course is designed to give students credit for passing Part I of the Certified Management Accounting (CMA) Exam. This is an independent, self-paced experience. The student alone is responsible for implementing a study plan, scheduling an exam date, paying for the exam, and providing appropriate documentation of exam performance. To receive credit, the student must provide official documentation that Part I of the exam has been passed. This a Credit/No Credit course.

**Prerequisite(s):** Sophomore Standing

**ACCT 3802 - Certified Management Accountant Exam II**

Credit Hours: 3

This elective course is designed to give students credit for passing Part II of the Certified Management Accounting (CMA) Exam. This is an independent, self-paced experience. The student alone is responsible for implementing a study plan, scheduling an exam date, paying for the exam, and providing appropriate documentation of exam performance. To receive credit, the student must provide official documentation that Part II of the exam has been passed. This a Credit/No Credit course.

**Prerequisite(s):** Junior Standing

**ACCT 4201 - Advanced Accounting I**

Credit Hours: 3

This course covers accounting for special situations including partnerships, consolidations, foreign currency, and SEC reporting.

**Prerequisite(s):** ACCT 3302

**ACCT 4202 - Advanced Accounting II**

Credit Hours: 3

This course continues the study of accounting for special situations including segment and interim reporting, insolvency, and governmental and not-for-profit fund accounting.

**Prerequisite(s):** ACCT 4201

**ACCT 4404 - Cost Accounting**

Credit Hours: 3

The relationship of cost accounting to the performance of management's pursuit of company objectives is studied with 4 basic points of view in mind: cost principle, determination, control and analysis.

**Prerequisite(s):** BSBA 2202

**ACCT 4405 - Auditing**

Credit Hours: 3

A study of the philosophy, environment, and procedures of auditing, and the legal, social and professional responsibilities of the auditor.

**Prerequisite(s):** ACCT 3302, ACCT 3350

**ACCT 4406 - Federal Income Tax Accounting: Individual**

Credit Hours: 3

This course covers preparation of income tax returns from the accounts of an individual; exclusions and inclusions for gross income, capital gains and losses, business expenses, and other deductions.

**ACCT 4407 - Federal Income Tax Accounting: Partnership and Corporation**

Credit Hours: 3

Continuation of ACCT 4406, including preparation of income tax returns from accounts of partnerships, estates and trusts and corporations. While previous accounting knowledge or experience will be helpful, no prior accounting training is required.

**Prerequisite(s):** ACCT 4406

**ACCT 4408 - Income Tax Return Preparation**

Credit Hours: 3

Students will participate in the Volunteer Income Tax Assistance (VITA) program as administered through the Internal Revenue Service. Students must successfully pass the IRS certification exam. Once certified, students will prepare income tax returns primarily for low income and elderly taxpayers who cannot afford to pay for professional tax assistance. This course requires participation at various off-campus locations during arranged hours. This course may be repeated for credit

**Prerequisite(s):** ACCT 4406

**ACCT 4410 - Case Studies in Accounting**

Credit Hours: 3

*Writing Intensive*

This course is designed to provide stimulus for critical analysis of accounting, finance, and ethics problems. Emphasis is placed on research, organization of data, critical analysis, communication of conclusions, and presentation skills. Through case studies, students will enhance their problem-solving skills by formulating solutions to problems which are encountered in accounting environments.

**Prerequisite(s):** ENGL 1102, ACCT 3325, ACCT 4405**ACCT 4501 - Accounting Research and Communication I**

Credit Hours: 3

This course focuses on the development of professional skills including critical thinking and problem-solving, oral and written communication, accounting research using the FASB Accounting Standards Codification, and the use of technology to facilitate accounting research and reporting.

**Prerequisite(s):** ACCT 3302**ACCT 4502 - Accounting Research and Communication II**

Credit Hours: 3

This course continues the development of professional skills including critical thinking and problem-solving, oral and written communication, accounting research using the FASB Accounting Standards Codification, ethics and the AICPA Code of Professional Conduct, and the use of technology to facilitate accounting research and reporting.

**Prerequisite(s):** ACCT 4501**ACCT 4801 - Auditing I**

Credit Hours: 3

This course introduces the philosophy, environment, and procedures of auditing, and the legal, social and professional responsibilities of the auditor.

**Prerequisite(s):** ACCT 3302**ACCT 4802 - Auditing II**

Credit Hours: 3

This course continues the examination of

the procedures of auditing and the legal, social, and professional responsibilities of the auditor. This course includes an audit case simulation that requires students to synthesize concepts from multiple areas of business.

**Prerequisite(s):** ACCT 4801**ACCT 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level.

**Prerequisite(s):** Instructor approval required**AFROTC****USAF 1000 - Leadership Laboratory (LLab)**

Credit Hours: 1

Leadership laboratory takes an average of two hours per week, every semester, throughout the student's enrollment in AFROTC. Instruction is conducted in an organized cadet corps with a progression of experiences designed to develop each student's leadership potential. LLab involves a study of Air Force customs and courtesies, drill and ceremonies, physical fitness, career opportunities, and the lifestyle and duties of an Air Force junior officer. Students develop leadership potential in a practical, supervised training laboratory, which typically includes field trips to Air Force installations.

**USAF 1310 - Heritage and Values of the United States Air Force**

Credit Hours: 1

Survey course that introduces students to the United States Air Force. It provides an



overview of the basic characteristics, missions, and organization of the Air Force. The course includes an overview of AFROTC and AFROTC special programs.

### **USAF 1320 - Heritage and Values of the United States Air Force**

Credit Hours: 1

Survey course that introduces students to the United States Air Force. It provides an overview of the basic characteristics, missions, and organization of the Air Force. The course includes an overview of AFROTC and AFROTC special programs.

### **USAF 2510 - Team and Leadership Fundamentals**

Credit Hours: 1

Designed to provide a fundamental understanding of both leadership and team building. Students will learn methods and perspectives on self-assessment, followership, problem solving, motivation, human relations, and ethical decision making.

### **USAF 2520 - Team and Leadership Fundamentals**

Credit Hours: 1

Designed to provide a fundamental understanding of both leadership and team building. Students will learn methods and perspectives on self-assessment, followership, problem solving, motivation, human relations, and ethical decision making.

### **USAF 3710 - Leading People and Effective Communication**

Credit Hours: 3

Designed to build on the leadership fundamentals taught in USAF 251/252. Students will learn about leadership, management, professional knowledge, leadership ethics, and communication skills required of an Air Force officer. Case studies are used as a means of exercising practical application of concepts.

### **USAF 3720 - Leading People and Effective Communication**

Credit Hours: 3

Designed to build on the leadership fundamentals taught in USAF 251/252.

Students will learn about leadership, management, professional knowledge, leadership ethics, and communication skills required of an Air Force officer. Case studies are used as a means of exercising practical application of concepts.

### **USAF 4810 - National Security Affairs/Preparation for Active Duty**

Credit Hours: 3

Examines the national security process, regional studies, leadership ethics, and USAF doctrine. Topics include the military as a profession, officership, military justice, civilian control of the military, active duty preparation, and issues affecting military professionalism.

### **USAF 4820 - National Security Affairs/Preparation for Active Duty**

Credit Hours: 3

Examines the national security process, regional studies, leadership ethics, and USAF doctrine. Topics include the military as a profession, officership, military justice, civilian control of the military, active duty preparation, and issues affecting military professionalism.

## **Allied Health**

### **ALLH 1150 - Introduction to Healthcare Professions**

Credit Hours: 3

This course is designed to introduce students to the basic tenets of health and well-being, healthcare settings, and a variety of healthcare professions. Students will learn about different health professions, how health professions impact health and well-being, and the different settings in which healthcare professionals work. Emphasis will be placed on how roles within healthcare settings intersect to support the goal of personal and public health. Same Course As: SOCY 1150 and PSYC 1150; students may receive credit for the course only once

### **ALLH 1160 - Exploration of Healthcare Professions**

Credit Hours: 2

Students will explore healthcare settings through service learning projects. Students

will partner with community groups/agencies that provide health-related services to citizens of North Central WV and beyond. Emphasis will be placed on teamwork, collaboration, and the achievement of personal and public health goals. This is a 2-credit course. Same Course As: SOCY 1160 and PSYC 1160; students may receive credit for the course only once

**Prerequisite(s):** ALLH 1150 or SOCY 1150 or PSYC 1150

### **ALLH 3341 - Death and Dying**

Credit Hours: 3

This course provides a general overview of death and dying and related concepts. In addition to learning about the physical manifestations of death and dying, students will explore cultural perspectives, grief and bereavement, and ethical and legal issues associated with death and dying. Students will also discuss the role of healthcare professionals when caring for individuals and families experiencing death and dying. IOM recommendations for care of families and individuals at or near end of life are emphasized.

## **Architecture**

### **ARCH 1000 - Design Fundamentals I**

Credit Hours: 4

This course addresses the basic graphic communications skills necessary to express architectural form using traditional methods. Topics include freehand, multi-view, paraline, perspective and shade/shadow drawing.

### **ARCH 1050 - Design Fundamentals II**

Credit Hours: 4

The focus of this class is on digital media in architectural. Principles of digital image manipulation, composition and Building Information Modeling (BIM) will be introduced.

**Prerequisite(s):** ARCH 1000

### **ARCH 1199 - Special Topics in Architecture**

Credit Hours: 1-6

Studies in special selected topics, to be determined by the instructor and approved

by the department chairperson. Repeatable Credits earned will be applicable as free electives in degree and certificate programs.

### **ARCH 2000 - Design I: Foundation**

Credit Hours: 4

Introduction to basic principles of architectural design. Areas to be explored include: design theory, methods and processes; presentation drawing techniques; fundamentals of model making; and the application of the above to actual design projects.

**Prerequisite(s):** ARCH 1050

**Corequisite(s):** ARCH 2060

### **ARCH 2010 - Architectural History I**

Credit Hours: 3

This course covers architectural history from prehistoric times through the Gothic period. The emphasis will be on the historical, social and technological factors behind the structures discussed.

### **ARCH 2020 - Architectural History II**

Credit Hours: 3

*Writing Intensive*

An overview of the key themes, historical developments, significant structures, and the personalities involved in shaping the world view and built environment from the 14th Century to the present. Emphasis will be given to the trajectory of Western culture while surveying and comparing the diverse thoughts and achievements of other cultures from across the globe during the same time period.

**Prerequisite(s):** ENGL 1102 and ARCH 2010

### **ARCH 2050 - Design II: Foundation**

Credit Hours: 4

A continuing study of design methodology as applicable to the design of simple structures. Emphasis on tectonics, as well as the nature of materials and the site. Further development of sketching, graphic and modeling skills as students learn to understand, interpret, and represent spaces and receive further training in presentation skills. Students will develop a first-year design portfolio.

**Prerequisite(s):** ARCH 2000

**ARCH 2060 - Building Technology I**

Credit Hours: 4

Students will study practices utilized in the erection of residential buildings including architectural materials, methods and use, and structural, mechanical, and electrical systems.

**Corequisite(s):** ARCH 1000

**ARCH 3000 - Design III: Site**

Credit Hours: 6

This course is a continuation of the design sequence, emphasizing synthesizing pragmatic issues of the site, context, and envelope with basic design theory.

**Prerequisite(s):** ARCH 2050, ARCH 2020

**ARCH 3001 - Community Design Assistance Center**

Credit Hours: 3

The Community Design Assistance Center is the outreach arm of the Architecture program. Focusing on projects within the small city context, student interns facilitate design and planning assistance for non-profit community organizations and groups. Repeatable

**Prerequisite(s):** Instructor Approval

**ARCH 3010 - Sustainable Design**

Credit Hours: 3

This course presents a sustainable approach to architecture considering social and economic issues; resource conservation through design of site, building envelope, and the building systems.

**Prerequisite(s):** Junior Standing

**ARCH 3050 - Design IV: Urban**

Credit Hours: 6

This course explores architectural design within the urban setting. Topics include urban design, historic preservation and the social impact of the built environment.

**Prerequisite(s):** ARCH 3000

**ARCH 3060 - Architecture Portfolio**

Credit Hours: 3

This course explores the methodology of creating professional and academic portfolios for Architecture students.

**ARCH 3080 - Architectural Practice Program I**

Credit Hours: 1-3

This course offers students the opportunity for selected practical experience intermingled with an academic background. Students participate in the NCARB intern development program (IDP), working in a professional setting. Students meet with faculty to develop and assess progress toward completing the established learning goals. Repeatable

**Prerequisite(s):** Instructor Approval

**ARCH 3085 - Architecture Study + Travel**

Credit Hours: 3

Architecture Study + Travel course offers students study in one of the world's great cities. The course's main objective is to facilitate a student's interconnections with architectural design, sustainability, and architectural history that have contributed to the life and culture of the city. This course will allow students to better understand the influence of the past on the present and ponder on the evolving future. In the classroom, students will study the history and culture of the region. In the field, they will visit important architecture, museums and historic sites. This course seeks to develop skills students will need in order to explore cultures and civilizations outside their own and encourage teamwork as they explore. Repeatable

**Prerequisite(s):** Instructor Approval

**ARCH 3399 - Special Topics in Architecture**

Credit Hours: 1-6

This course provides students with further opportunities to study principles and concepts in selected areas of specialization, to be determined by the instructor and to be approved by the department chair. Repeatable Credits earned will be applicable as free electives in degree and certificate programs.

**ARCH 4000 - Design V: Technology**

Credit Hours: 6

This course encompasses integrated design, synthesizing building systems, sustainable principles and a more complete approach to planning and

design of commercial buildings.

**Prerequisite(s):** ARCH 3050

**ARCH 4001 - Community Design Assistance Center-Management**

Credit Hours: 3

This course is a continuation of ARCH 3001. The Community Design Assistance Center is the outreach arm of the Architecture program. Focusing on projects within the small city context, student interns facilitate design and planning assistance for nonprofit community organizations and groups. Student interns share an expanded role in project management and leadership. Repeatable

**Prerequisite(s):** ARCH 3001 and Instructor Approval

**ARCH 4030 - Mechanical and Electrical Systems**

Credit Hours: 4

This course is an introduction to the variety of principles and systems at work in a building. Topics emphasized: environmental resources, environmental control, life safety.

**Corequisite(s):** ARCH 4050

**ARCH 4050 - Design VI: Build**

Credit Hours: 6

This course examines the relationship between the design process and the act of building. Concept and reality are studied, resulting in a built architectural object.

**Prerequisite(s):** ARCH 4000

**ARCH 4060 - Building Technology II**

Credit Hours: 4

This course investigates the building envelope, and select building systems explored through the creation of a set of working drawings for a commercial building.

**Prerequisite(s):** ARCH 2060

**Corequisite(s):** ARCH 4000

**ARCH 4080 - Architectural Practice Program II**

Credit Hours: 1-3

This course offers students the opportunity for selected practical experience intermingled with an academic

background. Students participate in the NCARB intern development program (IDP), working in a professional setting. Students meet with faculty to develop and assess progress toward completing the established learning goals. Repeatable

**Prerequisite(s):** ARCH 3080 and Instructor Approval

**ARCH 4998 - Special Topics in Architecture**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Art**

**ART 1120 - Art Appreciation**

Credit Hours: 3

This introductory course is a study of art of the Western and non-Western worlds. It explores the emergence of new forms and salient factors contributing to changes in art from prehistoric Europe to the contemporary West. The works of art are presented within their historical contexts. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable Core Curriculum Course

ART 1120~

**ART 1140 - Design I: 2D**

Credit Hours: 3

The elements and principles of two-dimensional design are explored in this Foundations course. Students learn the vocabulary of two-dimensional design, and

apply scholarly responses to visual images. Students explore, through visual problem-solving, issues of composition, color theory, content, and presentation. Students work with a variety of two-dimensional media in this studio course. Reading and writing assignments accompany studio coursework.

### **ART 1141 - Design II: 3D**

Credit Hours: 3

The elements and principles of three-dimensional design are explored in this Foundations course. Students learn the vocabulary of three-dimensional design, and apply scholarly responses to visual images. Students explore, through visual problem-solving, issues of space, inherent properties of materials, and content in the three-dimensional realm. Students work with a variety of three-dimensional media in this studio course. Reading and writing assignments accompany studio coursework.

### **ART 1142 - Drawing I: Foundations of Drawing**

Credit Hours: 3

This introductory course focuses on the traditions of drawing. Space, form, value, proportion, and composition are emphasized for the development of the beginning student's ability to perceive and record forms on a two-dimensional surface. Students use a variety of drawing media as they work toward an understanding of the technical, expressive, and conceptual possibilities of mark-making.

### **ART 1199 - Special Topics in Art**

Credit Hours: 1-12

Studies in selected areas of specialization, to be determined by the instructor and approved by the College's Chair. Credits earned will be applicable as free electives in degree or certificate programs. Three hours maximum credit per semester.

### **ART 2230 - Gallery Management**

Credit Hours: 3

Gallery Management is a course designed to teach students the basic techniques and practices of a gallery curator or museum assistant. All phases of planning and

implementing an exhibition, or a series of exhibitions, will be considered. Students will be involved in all aspects of the day-to-day management of the Brooks Gallery. May be repeated once

### **ART 2241 - Drawing II: Drawing from Life**

Credit Hours: 3

Drawing from the posed model, accompanied by analytical studies of anatomy. When Offered: Spring semester only

**Prerequisite(s):** ART 1140 and ART 1142

### **ART 2245 - E. Foundations**

Credit Hours: 3

This course is designed to introduce students to the elements and principles used in the production of contemporary works of art. Electronically based programs will be explored in conjunction with theories and practices of selected contemporary artists. When Offered: Offered Fall and Spring

### **ART 2261 - Painting I: Foundations of Painting**

Credit Hours: 3

Painting I is an introductory course in oil painting. Materials, tools, techniques, and stretcher construction are emphasized. Students explore the relationships among paint application, color theory, design elements, representation, and expressive intent.

**Prerequisite(s):** ART 1140 and ART 1142

### **ART 2262 - Painting II: Intermediate Painting**

Credit Hours: 3

Painting II continues concepts taught in Painting I, Students work to solve more complex formal, technical, expressive and theoretical problems. When Offered: Spring semester only Restrictions: Studio Art and Art Education majors only.

**Prerequisite(s):** ART 2241 and ART 2261

### **ART 2283 - Sculpture I: Foundations of Sculpture**

Credit Hours: 3

This introductory course in sculpture explores materials, tools, techniques and design principles related to the creation of

three-dimensional objects.

**Prerequisite(s):** ART 1141

### **ART 2284 - Sculpture II**

Credit Hours: 3

Advanced work in various sculptural media: metal casting, carving, constructions, etc.

**Prerequisite(s):** ART 2283

### **ART 3341 - Printmaking I**

Credit Hours: 3

Printmaking I is an introductory course in printmaking in which students learn to use basic tools, techniques, and equipment in the studio. Students explore the possibilities and limitations of the medium while applying design theory to serve an expressive intent.

**Prerequisite(s):** ART 1140 and ART 1142

### **ART 3342 - Printmaking II**

Credit Hours: 3

Printmaking II is an intermediate to advanced level printmaking studio course in which students utilize skills and processes learned in Printmaking I to further develop images in various media.

**Prerequisite(s):** ART 3341

### **ART 3345 - E. Intermediate**

Credit Hours: 3

This course is designed around the knowledge learned in E. Foundations and is applied at an intermediate level. Students will be expected to use artistic approaches to electronic media and contemporary theory to solve studio problems. Class time will be given to the design and creation of original works of art.

**Prerequisite(s):** ART 2245

### **ART 3350 - Elementary Art Education**

Credit Hours: 3

An introduction to teaching art in the elementary classroom, the course focuses on fundamental principles of artistic development in children, and within that context, provides rationales and methodology for recognizing, creating and utilizing quality art curricula in elementary classrooms. National Standards in Art Education are used as the framework for content, skills, and materials utilized and

applied in the course.

**Prerequisite(s):** Admittance into the College of Education, Health and Human Performance

### **ART 3352 - Arts Integration in the Elementary Classroom**

Credit Hours: 3

This course is designed to prepare preservice teacher candidates to integrate the fine arts across the elementary general education curriculum through an interdisciplinary approach. It includes a study of philosophies, methods, materials, and assessments relative to art and music that help promote student learning and success across the content areas. Students will develop an understanding of research and science relative to the impact of the fine arts on child growth and development, learning, and its impact on students with special needs.

**Prerequisite(s):** Admission to Teacher Education

### **ART 3360 - Early and Middle Methods and Materials**

Credit Hours: 4

Students will utilize current Art Education methodologies to examine the use of motivators, technology, management, assessment, and historical art examples in the Art classroom. Quality art lessons and objects will be produced with consideration to media and materials suitable to elementary and middle school situations. Restrictions: ART Majors only.

### **ART 3363 - Intermediate Water Media I**

Credit Hours: 3

Students use watercolor as the primary medium in this intermediate level course. Materials, techniques, and traditions of the medium are employed as students solve visual problems. Contemporary and traditional uses for water media are explored. When Offered: Fall semester only

**Prerequisite(s):** ART 1141, ART 2241

### **ART 3374 - Art History from Prehistory to 1450**

Credit Hours: 3

*Writing Intensive*

The major monuments and periods of the history of art will be discussed within their historical and cultural contexts, from prehistory to the end of the Middle Ages. Students will be expected to understand the religious, political and technical concepts which underpin these ideas as they relate to Western and non-Western cultures. When Offered: Offered once every year

**Prerequisite(s):** ENGL 1102

**ART 3376 - Art History from 1450 to 1750**

Credit Hours: 3

*Writing Intensive*

The major movements and artists associated with the Renaissance, Baroque and Rococo movements will be investigated within their historical and cultural contexts. Students will consider the theory and criticism appropriate to these periods, together with primary texts produced by the artists. When Offered: Offered once every year

**Prerequisite(s):** ENGL 1102

**ART 3378 - Art History from 1750 to 1950**

Credit Hours: 3

*Writing Intensive*

This course will consider the major movements and artists from the Neo-Classical through the Modern periods. The monuments will be examined within the context of their historical, political and cultural milieu, with the theory and criticism of the various movements given serious study. When Offered: Offered once every year

**Prerequisite(s):** ENGL 1102

**ART 3380 - Art History since 1950**

Credit Hours: 3

*Writing Intensive*

The major movements and artists associated with the developments of European and American art since 1950 will form the basis for the course. The issues will be set within their historical, aesthetic and critical contexts. Both the history of art and of theory will be considered. When Offered: Offered once every year

**Prerequisite(s):** ENGL 1102

**ART 3383 - Pottery I**

Credit Hours: 2-3

Introduction to basic ceramic techniques such as hand construction, the potter's wheel, and glazing.

**ART 3384 - Pottery II**

Credit Hours: 2-3

Advanced work in ceramics, glaze theory, and kiln firing.

**Prerequisite(s):** ART 3383

**ART 4431 - Methods and Materials in Teaching Art**

Credit Hours: 3

This course is designed for students preparing to teach Art. Multiple Art Education methodologies will be examined and used to explore teaching Art in the secondary classroom. Students are expected to apply course materials in the writing of unit plans and other related class projects.

**Prerequisite(s):** ART 3360 PPST (passing score)

**ART 4445 - E. Advanced**

Credit Hours: 3

An advanced E. Media class intended for students to continue ideas conceived in ART 3345 E. Intermediate and culminating in the creation of a body of work for studio or commercial purposes.

**Prerequisite(s):** ART 3345

**ART 4463 - Advanced Painting Concepts**

Credit Hours: 3

This advanced course gives students the opportunity to explore subjects and forms that they select. Students work with the professor in the studio to solve technical and formal problems, develop ideas, and research content. This is one of the preparatory courses for students who will be creating a body of work for their senior exhibits and graduate school portfolios. Restrictions: Studio Art and Art Education majors only.

**Prerequisite(s):** ART 2262 Instructor approval required

**ART 4464 - Pottery III**

Credit Hours: 3

The student is permitted to select the medium and then explore all the technical

and creative possibilities that it permits.

**Prerequisite(s):** ART 3384

### **ART 4465 - Sculpture III**

Credit Hours: 3

The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits.

**Prerequisite(s):** ART 2284

### **ART 4467 - Area Studies I**

Credit Hours: 3

Area Studies is an independent study course with options in Drawing, Painting, Ceramics, Sculpture, and Cross Media. Students meet with mentor professors regularly to discuss works. Mandatory critiques are held with a group of art faculty. Restrictions: Studio Art, Art Education, majors only.

**Prerequisite(s):** Completion of at least one 3000 level course in the medium that the student selects Instructor approval required

### **ART 4468 - Area Studies II**

Credit Hours: 3

Area Studies is an independent study course with options in Drawing, Painting, Ceramics, Sculpture, and Cross Media. Students meet with mentor professors regularly to discuss works. Mandatory critiques are held with a group of art faculty. Restrictions: Studio Art, Art Education, majors only.

**Prerequisite(s):** Completion of at least one 3000 level course in the medium that the student selects Instructor approval required

### **ART 4469 - Area Studies III**

Credit Hours: 3

Area Studies is an independent study course with options in Drawing, Painting, Ceramics, Sculpture, and Cross Media. Students meet with mentor professors regularly to discuss works. Mandatory critiques are held with a group of art faculty. Completion of 3000 level courses in the medium that the student selects. May be taken twice for credit Restrictions: Studio Art, Art Education, majors only.

**Prerequisite(s):** Instructor approval required ART 4467 or ART 4468

### **ART 4471 - Capstone Experience in Art**

Credit Hours: 3

This course is required of Studio Art and Art Education majors during their senior year. Students organize and present a formal exhibition of selected recent work. For Studio Art majors, research is related to studio practice and preparation of materials for promotion and discussion of their body of work. Art Education majors may select a project based on education theory and studio practice or possible collaboration with a PDS, as appropriate to college courses and experience. Digital images of this work will be retained in the Art Department's archives. Restrictions: Studio Art and Art Education majors only.

**Prerequisite(s):** Instructor approval required

### **ART 4472 - Virtual Exhibition**

Credit Hours: 3

Virtual Exhibition is the capstone experience for Contemporary Fine Arts in Technology and Cross-Media majors. Students research current trends in digital media, and present an exhibition of their most recent electronic and/or cross media or multi-media work. Digital images of all work submitted for exhibition will be retained in the Art Department's archives. Restrictions: Cross-Media Studio Art majors only.

**Prerequisite(s):** Instructor approval required

### **ART 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

**Prerequisite(s):** Sophomore-Senior Level



Art and Studio Art Majors Only Instructor approval required

### **Aviation Administration**

#### **AVMA 1100 - Introduction to Aviation**

Credit Hours: 3

A study of the subject areas and information needed to operate as a private pilot in the aviation environment. Must have a "C" grade or better to pass.

#### **AVMA 1101 - Private Pilot Technology**

Credit Hours: 3

The course is designed to provide successful Private Pilot candidates with the basic skills and knowledge necessary for certification as a Private Pilot under Part 141, Appendix B, of the Federal Air Regulations. The course will consist of approximately 45 contact hours of classroom-based ground school instruction. Students are expected to immediately take the Private Pilot Knowledge Test upon completion of their Private Pilot Ground School component. This course requires the purchase of an online laboratory experience to accompany and supplement the face-to-face class meetings. The Aviation Fees schedule is published elsewhere in this catalog.

#### **AVMA 1102 - Introduction to Air Traffic Control**

Credit Hours: 3

This course provides a description of basic air traffic control procedures and phraseology used by personnel providing air traffic control services. Topics include the history of air traffic control, definitions, basic phraseology, airspace utilization, and air navigation and Federal Aviation Administration rules governing air traffic control. Must have a "C" grade or better to pass.

**Prerequisite(s):** AVMA 1100

#### **AVMA 1103 - Private Pilot Technology Flight Lab**

Credit Hours: 3

After successfully completing the lab requirements under Part 141, Appendix B, of the Federal Aviation Regulations,

students will be endorsed to take the Private Pilot Practical Flight Exam. Five hours of the Private Pilot flight training may be conducted in the Flight Training Device (FTD). Upon completion of all flight requirements, in accordance with Practical Test Standards, students will be issued a Private Pilot Certificate. This course requires additional fees to be paid for flight instruction and simulator time. The Aviation Fees schedule is published elsewhere in this catalog.

#### **AVMA 1109 - Air Rescue Fire Fighting**

Credit Hours: 3

This course is designed to provide the beginning student with a basic understanding of the principles and methodology of Air Rescue and Fire Fighting in aircraft incidents both on and off the airfield. It reviews the physics of fire and the different types of fires that are extinguished during the first responders handling of different aircraft emergencies. The student will be able to identify the different types of firefighting retardants and the correct application of each. The student will be trained in the correct procedures for approaching aircraft in emergency situations, gaining access to crashed aircraft, the safe extraction of survivors, and basic triage procedures. The students will also be able to explain how to secure a crash site and the damaged aircraft. They will also have an understanding of the handling of hazardous materials at the scene of an incident. Must have a "C" grade or better to pass. Restrictions: Aviation or Homeland Security majors only.

**Prerequisite(s):** Major in Homeland Security.

#### **AVMA 1189 - Guided Experience I**

Credit Hours: 1-4

This course will be a guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or another project agreed upon between the student and the supervising faculty and is submitted to the director in a written contract. May be repeated for up to 4

hours Credits earned may be applied as free electives in degree or certificate programs.

**Prerequisite(s):** Instructor approval required

### **AVMA 1199 - Special Topics.**

Credit Hours: 1-12

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass.

### **AVMA 2201 - Instrument Pilot Technology**

Credit Hours: 3

The course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as Instrument rated Private Pilot in accordance with the minimum requirements as set forth in Part 141, Appendix C, of the Federal Air Regulations. The course will consist of approximately 45 contact hours of classroom-based instrument ground school instruction. Students will be expected to immediately take the FAA approved Instrument Pilot Airman Knowledge Test upon completion of their Instrument Ground School component. This course requires the purchase of an online laboratory experience to accompany and supplement the face-to-face class meetings. The Aviation Fees schedule is published elsewhere in this catalog.

**Prerequisite(s):** Private Pilot certification or Instructor Permission

### **AVMA 2204 - Instrument Pilot Technology Flight Lab**

Credit Hours: 3

The lab portion of this course is designed to provide successful Instrument Pilot candidates with the basic skills and knowledge necessary for certification as Instrument rated Private Pilot in accordance with the minimum requirements as set forth in Part 141, Appendix C, of the Federal Aviation Regulations. Students are required to have a minimum of 35 hours of logged instrument flight training (total flight hours may vary depending on individual student ability). Fourteen hours of the instrument flight training may be conducted in a Flight

Training Device (FTD). Students will be signed-off to take the Instrument Pilot Practical Flight Exam required for FAA certification upon successful completion of all flight requirements. Must have a "C" grade or better to pass. This course requires additional fees to be paid for flight instruction and simulator time. The Aviation Fees schedule is published elsewhere in this catalog.

**Prerequisite(s):** Private Pilot certification

### **AVMA 2206 - Aviation Security**

Credit Hours: 3

This course is designed to provide the beginning student with a basic understanding of the history of aircraft security in the aviation industry. The changing nature of aviation security over the years and how it has impacted society will be discussed. It will discuss and analyze the different methodologies of aviation security both in domestic and foreign methodologies. The course will also examine the industries responses to the changes in aircraft security in both general, corporate, and transport aviation. It will also address the needs of aviation personnel for security both in the air and on the ground. Must have a "C" grade or better to pass. Restrictions: Aviation or Homeland Security majors only.

**Prerequisite(s):** Major in Homeland Security or Pre-Homeland Security.

### **AVMA 2210 - Aviation Meteorology**

Credit Hours: 3

A survey of the basic concepts and processes of atmospheric phenomena and their relation to aeronautical conditions. Must have a "C" grade or better to pass.

### **AVMA 2211 - Airport Management**

Credit Hours: 3

This course presents a study of airfield operations, and management with a focus on the role of the airport manager, the role of the airport in the community, budgeting, marketing and tenant relationships. Must have a "C" grade or better to pass.

### **AVMA 2213 - Airport Planning and Development**

Credit Hours: 3

The principles of airport system planning and airport master planning will be studied. Airport design standards, historical evolution of airports, key airport legislation and environmental impact planning for airports are key course topics. Must have a "C" grade or better to pass.

**AVMA 2214 - Advanced Air Traffic Control Procedures**

Credit Hours: 3

This course is designed to prepare the student to successfully complete the FAA Air Traffic Controller screening exams. Topics covered include: Tower procedures, aircraft separation, departures/arrivals, and special procedures. Must have a "C" grade or better to pass.

**AVMA 2225 - Airline Transport Security**

Credit Hours: 3

This course is designed to provide the beginning student with a basic understanding of the airline transport security system currently in use at major airports around the world. The student will be trained in security considerations at both the airport terminal and in the air. The student will be familiar security requirements as set by the Transportation Security Administration. The student will demonstrate knowledge of security responsibilities of screeners and other security personnel, submission to screening and inspection, procedures security and handling of interference with screening personnel, carriage of weapons, explosives, and incendiaries by individuals. The student will demonstrate knowledge of security of a secured area, security of the air operations area, security of the security identification display area, access control systems, and Law enforcement support. The student will be trained in procedures currently in place to provide in-flight safety of the crew and airline passengers. Must have a "C" grade or better to pass. Restrictions: Aviation or Homeland Security majors only.

**AVMA 2230 - Certified Flight Instructor**

Credit Hours: 3

This course provides the Pilot Technology students the basic knowledge required to pass the FAA Fundamentals of Instruction and Flight/Ground Instructor knowledge Exam. Furthermore, this course will increase your knowledge of flight operations and allow you to master new skills. The student will gain understanding of the fundamentals of instruction, the Federal Aviation Regulations as well as the principles of teaching, private, commercial, and instrument students.

**AVMA 2231 - Certified Flight Instructor Flight Lab**

Credit Hours: 3

This course lab provides the Pilot Technology students with the basic knowledge required to pass the FAA Fundamentals of Instruction and the Flight/Ground Instructor knowledge exam. Furthermore, this course will increase your knowledge of flight operations and enable the student to master new skills required by the Federal Aviation Administration (FAA). The student will gain an understanding of the fundamentals of instruction, the Federal Aviation Regulations as well as the principles of teaching, private, commercial, and instrument students. This course may be taken after completion of CFI Certification by FAA. This course will be completed under FAA Regulations, Part 61. This course requires additional fees to be paid for flight instruction and simulator time. For flight hours and cost, please consult with the Flight Manager or Chief.

**AVMA 2289 - Guided Experience II.**

Credit Hours: 1-4

This course will be an advanced guided experience for students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or another project agreed upon between the student and the supervising faculty and is submitted to the director in a written contract. May be repeated for up to 4 hours Credits earned may be applied as free electives in degree or certificate

programs.

**Prerequisite(s):** Instructor approval required

**AVMA 2299 - Special Topics.**

Credit Hours: 1-12

A study of special topics of educational, technical or industrial concern. Must have a "C" grade or better to pass.

**AVMA 3300 - Commercial Pilot Technology**

Credit Hours: 3

The course is designed to provide successful Commercial Pilot candidates with the advance skills and knowledge necessary for certification as Commercial Pilot in accordance with the minimum requirements set forth in Part 141, Appendix D, of the Federal Aviation Regulations. The course will consist of approximately 45 contact hours of classroom based Commercial Pilot Ground School instruction. Students will be expected to immediately take the FAA approved Commercial Pilot Airman Knowledge Test upon completion of their Commercial Pilot Ground School component. This course requires the purchase of an online laboratory experience to accompany and supplement the face-to-face class meetings. The Aviation Fees schedule is published elsewhere in this catalog.

**Prerequisite(s):** Private Pilot and Instrument Pilot certifications or Instructor approval required

**AVMA 3301 - Aviation History**

Credit Hours: 3

This course traces man's effort to achieve and sustain flight, from early mythology to the present. Special emphasis is given to the evolution of the airplane from balloons to space exploration vehicles.

**Prerequisite(s):** ENGL 1102

**AVMA 3302 - Aviation Law**

Credit Hours: 3

A study of the legal issues and case law/decisions affecting the aviation industry. Topics covered include contracts, liabilities, rights of operators, criminal statutes and the U.S. legal system, as applied to aviation. Same Course As:

AVMA 2202 for Homeland Security Aviation Track Majors

**Prerequisite(s):** ENGL 1102

**AVMA 3303 - Airline Operations**

Credit Hours: 3

A study of the administrative aspects of airline operation and management, including a detailed study of airline organization, structure and operational issues. Topics to be covered include airline history, economics, pricing, marketing, fleet planning and labor relations. A case study approach will be used to study individual airlines and/or airline-related issues. Same Course As: AVMA 2203 for Homeland Security Aviation Track Majors

**Prerequisite(s):** ENGL 1102

**AVMA 3304 - Aviation Maintenance Management**

Credit Hours: 3

This course provides instruction concerning the functions and responsibilities of the aviation maintenance manager. Maintenance management in general aviation, regional airlines and major and national airlines will be studied.

**Prerequisite(s):** ENGL 1102

**AVMA 3305 - General Aviation Operations**

Credit Hours: 3

*Writing Intensive*

A study of the general aviation industry, including general aviation aircraft manufacturing, fixed-base operations and corporate flight departments. A basic definition of general aviation, its role and major components will be covered. The course also has a business development assignment during which the students develop and present a business plan for a proposed aviation company. Same Course As: AVMA 2205 for Homeland Security Aviation Track Majors

**Prerequisite(s):** ENGL 1102

**AVMA 3306 - Commercial Pilot Technology Flight Lab**

Credit Hours: 3

The lab portion of this course is designed to provide successful Commercial Pilot candidates with the basic flight skills and

knowledge necessary for certification as Commercial Pilot in accordance with the minimum requirements set forth in Part 141, Appendix D, of the Federal Aviation Regulations. Students are required to have minimum of 120 hours of logged Commercial Pilot Flight Training (total flight hours may vary depending on individual student ability). Twenty-Five hours of the Commercial Pilot flight training may be conducted in a Flight Training Device (FTD). Students will be signed off to take the Commercial Pilot Practical Flight Exam for final FAA certification upon successful completion of all flight requirements. This course requires additional fees to be paid for flight instruction and simulator time. The Aviation Fees schedule is published elsewhere in this catalog.

**Prerequisite(s):** Private Pilot and Instrument Pilot certifications or Instructor approval required

#### **AVMA 3307 - Aviation Safety**

Credit Hours: 3

This course introduces the student to various aspects of aviation safety, including flight safety, ground safety and management and planning for safety in aviation. Case studies of individual aviation incidents, safety studies and accidents will be presented. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** ENGL 1102

#### **AVMA 3399 - Special Topics.**

Credit Hours: 1-12

A study of special topics of educational, technical or industrial concern.

**Prerequisite(s):** Instructor approval required

#### **AVMA 4401 - Aviation Industry Research and Analysis**

Credit Hours: 3

This course presents an analysis of selected contemporary issues, problems and trends facing various segments of the aviation industry (manufacturers, airlines, general aviation and government). Students will apply previously learned principles to practical problems in the aviation industry.

**Prerequisite(s):** Instructor approval required

#### **AVMA 4402 - Fiscal Aspects of Aviation Management**

Credit Hours: 3

This course will provide an introduction to financial management problems encountered in aviation management. Topics include basic accounting, financial management principles, cash flow analysis, budgeting, and financial statement analysis.

**Prerequisite(s):** ENGL 1102

#### **AVMA 4403 - Aviation Project**

Credit Hours: 1-4

Independent study, primarily for seniors who wish to pursue further studies in special areas. Subject must be arranged with the instructor before enrolling in the course.

#### **AVMA 4404 - Advanced Composite Structures**

Credit Hours: 3

An in-depth study of the inspection and repair of aircraft composite structures.

Restrictions: Baccalaureate majors only.

#### **AVMA 4405 - Advanced Non-Destructive Testing**

Credit Hours: 3

A detailed study of non-destructive testing methods used on aircraft. This course prepares the student for ASNT Level I certification. Restrictions: Baccalaureate majors only.

#### **AVMA 4411 - Aviation Industry Internship**

Credit Hours: 3

An aviation industry internship is a real-world learning activity that provides an opportunity for the student to engage in aviation industry activities in an area of concentration that may assist them in their future career development activities. These activities in their major discipline under the guidance of a senior aviation faculty member will develop a program of study that will acquaint them with industry trends and processes that will be beneficial in their new career plans. The primary goals for this class are to experience the aviation industry on a first-hand basis and then shared those experiences in an appropriate venue with their assigned

faculty mentor. This class should only be scheduled by juniors or seniors close to graduation after completion of a majority of their core classes. Instructor approval is required and the internship must be scheduled before the start of the semester the student plans to complete the course requirements.

**Prerequisite(s):** Junior or Senior Level attainment Instructor approval required

### **AVMA 4499 - Special Topics**

Credit Hours: 1-12

A study of special topics of educational, technical or industrial concern.

**Prerequisite(s):** Instructor approval required

### **AVMA 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Biology**

### **BIOL 1104 - Biosphere**

Credit Hours: 4

Lecture/Lab Hours: 4 hours of lecture/discussion/activities per week

This course, designed for teacher education candidates, focuses on Earth's living systems. The major topics to be explored include biodiversity and populations (including evolution and systematics), ecosystems (nutrient cycles, trophic levels, biomes) and organisms (including life cycles, genetics, cells, and adaptations). The course includes integration of basic chemistry and atmospheric science.

**Prerequisite(s):** Elementary Education majors only.

### **BIOL 1105 - Biological Principles I**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This introductory course in population biology explores the organization and function of populations, including reproduction and transmission genetics, patterns and mechanisms of evolutionary change and the fundamental concepts of ecology. When Offered: Fall semester only Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
BIOL 1105~

### **BIOL 1106 - Biological Principles II**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This introductory course in cellular biology emphasizes the organization and functions common to all living cells. The major topics to be explored include cell organelle structure and function, the molecular basis of cell energetics, the cell cycle and basic molecular biology of the cell. When Offered: Spring semester only Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
BIOL 1106~

### **BIOL 1180 - Human Anatomy and Physiology (lecture)**

Credit Hours: 3

Lecture/Lab Hours: Three hours of lecture per week

Human Anatomy and Physiology is single semester examination of the architecture and function of cells, tissues, organs, and organ systems of the human being. This examination will include an intensive and detailed study of the integumentary, skeletal, muscular, cardiovascular, lymphatic, digestive, respiratory, urinary,

nervous, reproductive, and endocrine systems as well as their interactions with each other.

**BIOL 1181 - Human Anatomy and Physiology (lab)**

Credit Hours: 1

Complementary to BIOL 1180, the laboratory focuses on the anatomical study of the human form, including microscopic examination of cells and tissues, and gross examination of organs and organ systems (skeleton, muscles, blood vessels, nerves, and internal organs). Physiological exercises to supplement the material covered in BIOL 1181.

**BIOL 1199 - Special Topics in Biology**

Credit Hours: 1-4

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**BIOL 2202 - General Botany**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
The first part of this course will consist of a survey of the plant kingdom, including the fungi kingdom and selected groups of plant-like protists and bacteria. In the second part, the structure, development, and physiology of angiosperms will be examined. When Offered: Spring semester only

**Prerequisite(s):** BIOL 1105 and BIOL 1106 with a C or better

**BIOL 2203 - General Zoology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
A survey of the animal kingdom, this course emphasizes selected invertebrates and vertebrates. The focus will be on diversity and the significance of evolutionary changes. Students will investigate the basic concepts of morphology, anatomy, physiology and behavior as they affect the ecology of the animal. When Offered: Fall semester only

**Prerequisite(s):** BIOL 1105 and BIOL 1106 with a C or better

**BIOL 2205 - Technical Microbiology (Lecture)**

Credit Hours: 3

Lecture/Lab Hours: 3 hours of lecture per week

This course emphasizes the history of microbiology, microbial morphology and structure; microbial growth and physiology; environmental effects on bacteria; inhibition and killing of bacteria; virulence, pathogenicity, and invasiveness of microbes; modes of disease transmission and resistance.

**BIOL 2206 - Technical Microbiology (lab)**

Credit Hours: 1

Lecture/Lab Hours: One two-hour lab per week

This course teaches techniques of isolation; handling, culturing, identifying bacteria and the inhibition of bacterial growth. Safety, cleanliness, and responsibility are taught in the laboratory.

**BIOL 2224 - Microbiology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory session per week  
In this course, microorganisms (primarily bacteria) will be viewed from several perspectives; as pathogens, as components of ecosystems, and as components of industrial processes. Techniques for culturing and identifying bacteria will be presented. The course includes opportunities for students to design and conduct laboratory exercises. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 1105 and BIOL 1106 with a "C" or better, and CHEM 1105

**BIOL 3301 - Advanced Human Anatomy and Physiology I**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This is the first of a two-semester course focusing on the function and structure of the human body and how it maintains

homeostasis. Students will begin with an introduction into the study of human anatomy and physiology, histology, and a focus on systems-based approach in learning the human body. BIOL 3301 will cover the following systems: integumentary, skeletal, muscular, nervous, and endocrine. When Offered: Offered on rotation in the Fall semester only See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 1106 and either BIOL 2203, FORS 3201, or permission of the instructor

### **BIOL 3302 - Advanced Human Anatomy and Physiology II**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
This is the second of a two-semester course focusing on the function and structure of the human body and how it maintains homeostasis. Students will begin with a brief review of the introductory material and histology and then focus on a systems-based approach in learning the human body. BIOL 3302 will cover the following systems: cardiovascular, respiratory, lymphatic, digestive, urinary, and reproductive. When Offered: Offered on rotation in the Spring semester only See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 3301 with a C or better or permission of the instructor

### **BIOL 3306 - Fundamentals of Ecology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
This course explores the fundamental principles of modern ecology: the patterns and processes operating in populations, communities and ecosystems. Population growth and regulation, energy flow, population interactions and nutrient cycling will be emphasized. Students will learn quantitative methods, use field techniques, and practice the scientific method. When Offered: Fall semester only

**Prerequisite(s):** BIOL 2202 and BIOL 2203, with a C or better, and CHEM 2200

### **BIOL 3312 - Advanced Botany I**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
This course provides an in-depth study of the plant kingdom. Primary emphasis is placed on the flora of WV, with an understanding of the structural characteristics, evolutionary relationships and ecological distribution of plants. Lab activities include several off-campus field trips and each student will be required to complete a plant collection project for the FWVA Herbarium. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 2202 with a C or better

### **BIOL 3315 - Invertebrate Zoology**

Credit Hours: 4

Lecture/Lab Hours: The course has 3 hours of lecture and one 3-hour lab per week  
This course surveys the invertebrate phyla as they have evolved from single cell protists to multicellular organisms focusing on the Hexapods. Also considered are the attributes of these organisms that have allowed them to radiate from aquatic to terrestrial environments. As part of the course students are required to collect insects during the summer preceding the course. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 2202 and BIOL 2203 with a C or better, and CHEM 2200

### **BIOL 3316 - Vertebrate Zoology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week  
An in-depth investigation of vertebrates, this course focuses on the evolutionary relationships among the major vertebrate groups, with an emphasis on physiological, morphological and behavioral adaptations, especially as they influence the ecology of the animal. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 2203 with a C or better



**BIOL 3330 - Aquatic Ecology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course focuses on physical and biological aspects of freshwater lakes and streams, emphasizing the application of ecological theory. Lectures will cover lentic (lake) and lotic (stream), wetlands and groundwater ecology. The laboratories are field-oriented and allow students the opportunity to use state-of-the-art instrumentation while applying lessons learned in the classroom. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 3306 with a C or better

**BIOL 3331 - Terrestrial Ecology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course will start with the foundation from Fundamentals of Ecology and examine more closely the relationships between organisms and their terrestrial environment. A number of different ecological sampling and research methods will be studied and utilized. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 3306 with a C or better

**BIOL 3360 - Biochemistry**

Credit Hours: 4

Lecture/Lab Hours: 3 hours lecture and one 3-hour laboratory per week

A study of general principles of biochemistry. Topics include structure and function of proteins, DNA, and RNA, enzyme kinetics, regulation, carbohydrates, lipids, membranes and metabolism. When Offered: Spring semester only

**Prerequisite(s):** MATH 2501 CHEM 2201

**BIOL 3368 - Animal Physiology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour lab per week

This course explores the fundamental functional processes of animals. Major topics may include energetics, digestion,

neurology, endocrinology, immunology, muscle physiology, circulatory physiology, respiratory physiology, osmoregulation and thermoregulation. The emphasis will be on the investigation of physiological processes as evolutionary adaptations. Students will cooperatively design and complete research projects. When Offered: Offered on rotation See Biology program website for rotation schedule  
**Prerequisite(s):** BIOL 2203 with a C or better, CHEM 2200

**BIOL 3370 - Plant Physiology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

Plant physiology is the study of how plants function. Major topics will include transpiration, plant nutrition, photosynthesis, hormone regulation of plant development, plant movement and responses to environmental stresses. Students will be expected to design and complete physiology research projects. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 2202 with a C or better, and CHEM 2200

**BIOL 3380 - Genetics**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory session per week  
This course builds upon genetic principles introduced in Biology 105 and 106. Topics covered include extensions of Mendelian genetics, gene mapping, chromosomal structure and mutation, DNA replication, mutation and repair and gene expression and its regulation. When Offered: Fall semester only

**Prerequisite(s):** CHEM 2200, BIOL 1105 and BIOL 1106

**BIOL 3390 - Molecular Biotechnology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

*Writing Intensive*

This course is a study of the theoretical basis of techniques used in biotechnology, and the application of these techniques to

biological research in academic and industrial settings. When Offered: Spring semester only

**Prerequisite(s):** ENGL 1102, BIOL 3380, CHEM 2201, and MATH 2501

### **BIOL 3395 - Cell Biology**

Credit Hours: 4

Lecture/Lab Hours: It consists of three one-hour lectures and one 1-hour activity per week

Cell Biology is an upper level biology course designed for students in pre-professional and graduate school tracks. This course focuses on the biology of eukaryotic cells: structure, function, bioenergetics, enzymes, cell membranes and organelles; transport across membranes, chemotrophic energy metabolism, receptors, and the endomembrane system. When Offered: Offered on rotation in the spring semester only See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 1106 and CHEM 2200

### **BIOL 4420 - Developmental Biology**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course contains a detailed study of gametogenesis, fertilization and embryonic development patterns of organisms. The role of gene expression in these events will be emphasized. When Offered: Offered on rotation See Biology program website for rotation schedule

**Prerequisite(s):** BIOL 2202 and BIOL 2203 with a C or better

### **BIOL 4485 - Senior Seminar**

Credit Hours: 2

Lecture/Lab Hours: Two hours of class meeting per week

This culminating experience requires students to utilize their knowledge of biology, as well as their analytical and critical thinking skills, to explore important topics in the biological sciences in a cooperative learning environment. Students will be expected to read, interpret, moderate discussions and formally present information from current research and review papers to an audience

of their peers and biology faculty. When Offered: Spring semester only

**Prerequisite(s):** Senior standing

### **BIOL 4495 - Problems in Biological Sciences**

Credit Hours: 2

This course is designed for students who have interest in a specific problem in biology. It should not be used as a means of meeting requirements but rather as a research course that goes beyond the usual courses in developing the student's body of knowledge.

**Prerequisite(s):** 20 hours of biological courses and Instructor approval required

### **BIOL 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **(Business) Information Systems Management**

### **BISM 1200 - Introduction to Computing**

Credit Hours: 3

This course provides an overview of the current state of computing and its social implications. This is intended to be used as a breadth-first introductory course for majors and non-majors. Topics include organization of a computer system, examination of computing disciplines, social implications of computing, problem solving using productivity software applications, and investigations of emerging areas in information systems.

**BISM 1500 - Business Information Tools**

Credit Hours: 3

This course focuses on fluency in computerized information systems technology along with how information is collected, stored, organized, and managed to facilitate effective decision-making. Students will create and use databases and spreadsheets to assist in the setup and resolution of business problems. The functionality within Microsoft Excel will be used to carry out "what-if" business scenarios, sensitivity analysis, statistical analysis, and graphic displays. Microsoft Access will be utilized to design, create, implement, and query databases. Same Course As: BISM 2200

**Prerequisite(s):** BISM 1200, and Math ACT score of 19 or MATH 1430 or higher, or instructor permission

**BISM 2000 - Management Information Systems**

Credit Hours: 3

This course focuses on the fundamentals associated with the management of information systems and technology in a dynamic business environment. Special emphasis is placed on managerial issues that are relevant to selection, application, and usage of computerized information systems in a business enterprise. Topics covered include the MIS framework, ethics, technology, information systems collaboration, decision-making, competitive advantage, telecommunications, databases, data communication, E-commerce, Supply Chain, and information systems management. Same Course As: BISM 3200

**Prerequisite(s):** BISM 1500

**BISM 2400 - Operating Systems Concepts Across the Enterprise**

Credit Hours: 3

This course explores hardware and software configurations as integrated systems and provides a basic understanding of what an operating system is and how it works in a PC/server and Mainframe environment. Fundamental concepts such as computer architecture are presented along with the execution concepts related to multiple operating

systems. Operating systems, such as MS-DOS and Windows, Linux, UNIX, Linux on System z, z/VM, z/TPF, and the z/Enterprise System will be examined.

**Prerequisite(s):** BISM 1200 or COMP 1100

**BISM 2600 - Introduction to Networking Administration**

Credit Hours: 3

This course examines detail issues and techniques in computer networking. Emphasis is placed on local area networks, internetworking via TCP/IP and the Internet. The OSI reference model and the TCP/IP protocols form the framework. Topics include the key aspects of networking, interoperability, LAN strategies, WLAN strategies and standards such as shared and switched Ethernet, Token Ring and FDDI; internetworking using bridges and routers; routing strategies and congestion in networks along with how data passes through layers.

**Prerequisite(s):** BISM 1200 or COMP 1100

**BISM 3000 - Business Programming Logic**

Credit Hours: 3

This course introduces problem-solving and programming logic for business applications. Students will learn fundamental problem-solving techniques that are necessary to develop computer applications to solve business problems. Students will also be introduced to the Visual Basic programming language.

**Prerequisite(s):** BISM 1500

**BISM 3300 - Information Systems and Data Analytics for Leaders**

Credit Hours: 3

This course provides an overview of information systems and data analytics as related to decision-making in a business context. This course is intended to be used as a breadth-first introductory course for majors and non-majors. Topics include: an overview of descriptive, predictive, and prescriptive analytics; types and sources of data; big data concepts; data visualization; strategic data-driven decision-making; and future trends and ethical considerations.

**BISM 3400 - Database Design and Development**

Credit Hours: 3

This course covers information systems design and implementation within a database system environment. Students will be introduced to relational database technology through the use and application of terminology, technical concepts, data modeling, structured query language (SQL), and database implementation. The course includes hands-on experience with data modeling and SQL.

**Prerequisite(s):** BISM 1500

**BISM 3500 - Fundamentals of SDLC Methodologies**

Credit Hours: 3

Systems analysis is the methodology for studying a procedure or business in order to identify its goals and purposes and create systems and procedures that will achieve them in an efficient way. In this course students will be introduced to the broad field of systems development and get a basic understanding for all the various approaches that can be taken to deploy and operate a safe, reliable, and secure system. Topics covered include the various development life cycle methodologies (with a focus on agile methodologies), requirements collection and analysis, logical and physical information flow modeling, a variety of system development methodologies, data modeling, object-oriented analysis and modeling utilizing Unified Modeling Language (UML).

**Prerequisite(s):** BISM 2000, BISM 3000

**BISM 3600 - E-commerce and Web Development Strategy**

Credit Hours: 3

This course covers emerging online technologies and trends and their influence on the electronic commerce marketplace. Students will learn building blocks of web technology and various revenue. This course will also explore current issues surrounding electronic commerce and electronic business including security, privacy, and search engine optimization. Finally, students will

learn how to plan for electronic commerce.

**Prerequisite(s):** BISM 3000, BISM 2000, BISM 3400

**BISM 3800 - Object-oriented Business Applications**

Credit Hours: 3

This course introduces multitier programming in Visual Basic. Students will apply object-oriented programming techniques for developing the presentation, business, and data tiers for database application projects. The emphasis of projects is on business applications.

**Prerequisite(s):** BISM 3000

**BISM 4000 - Global, Economic, Ethical, and Social Information Systems**

Credit Hours: 3

*Writing Intensive*

This course explores the tools students will need when confronted with ethical decisions in their role as global technology professionals. Students will address a variety of economic, ethical, and social frameworks in a global context. Case studies are used to foster discussions on subjects specifically related to computers and information systems. The course explores information technology in its social, economic, ethical, and global contexts. The student will be required to participate in class discussions, cases studies, and present a research paper on the issues surrounding computing and a national and international society.

**Prerequisite(s):** BISM 2800, BISM 2000

**BISM 4200 - Systems Analysis and Design**

Credit Hours: 3

Students are introduced to the theory and application of systems analysis and design techniques for computerized information systems. Topics covered include requirements collection and analysis, logical and physical information flow modeling, a variety of system development methodologies, data modeling, object-oriented analysis and modeling, prototyping, project control, sampling techniques, project feasibility, cost/benefit

analysis, time value of money, and the hands-on application of systems design techniques through a course project.

**Prerequisite(s):** BISM 2600, BISM 3600, BISM 3800

### **BISM 4300 - Business Intelligence**

Credit Hours: 3

This course is an overview of the business intelligence process including information collection, intelligence analysis, and intelligence process assessment.

According to the Gartner Group, "In a data-rich world, businesses are inundated with information. Yet used strategically, it can guide decision making and boost performance. That's why Business Intelligence is on every CIO's must-have list." This course is not based merely on learning concepts, but also applying those concepts to facilitate business processes in a team effort.

**Prerequisite(s):** BISM 3300 BSBA 3310 BISM 3400

### **BISM 4400 - Current Topics in Information Systems**

Credit Hours: 3

This course investigates current topics in information systems. Current topics of interest in information systems will be selected by the instructor and approved by the department. Examples of topics include telecommunications, grid computing, health informatics, data visualization, etc.

**Prerequisite(s):** BISM 2000

### **BISM 4500 - Information Systems Project Planning**

Credit Hours: 3

This course explores best practices in project management planning with respect to technical projects. Concepts covered include Project Management Initiation and Planning process groups and relevant Knowledge Management areas as defined by the Project Management Body of Knowledge (PMBOK). Student teams apply project management tools and techniques to formally plan an information systems-related project with an emphasis on required project management documentation.

**Prerequisite(s):** MGMT 3500

**Corequisite(s):** BISM 4200

### **BISM 4600 - Information Assurance and Cybersecurity**

This course is an introduction to information assurance and cyber security, providing a breadth of knowledge and skills that covers a wide domain. The intent is to introduce a wide-variety of topics relative to information assurance and cyber-security and drill down into one specific topic to provide a basic understanding of the Risk Management Framework (RMF) as it pertains to the systems development life cycle (SDLC). Students will learn how to use this understanding during the development, management, assessment and continuous monitoring of information systems.

**Prerequisite(s):** BISM 4200

### **BISM 4800 - Information Systems Project Management**

Credit Hours: 3

This course explores best practices in formal project management concepts and techniques. Students will learn the Project Management process areas and Knowledge Management areas as defined by the Project Management Body of Knowledge (PMBOK). The project outputs and required documentation for each process area are emphasized. The project management concepts and techniques presented in the course will be applied to group projects. Students will apply project management software to manage an information systems-related project.

**Prerequisite(s):** BISM 4200 BISM 4500

### **BISM 4900 - Internship in Information Systems**

Credit Hours: 3

This internship course is designed as a learning experience which requires the integration of information systems theory with actual job experience. The student must be enrolled in the Information Systems Management program. The employer will be responsible for evaluating and reporting the performance of the student.

**Prerequisite(s):** Instructor Approval

**BISM 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Business Administration****BSBA 1100 - Business Onboarding Course**

Credit Hours: 3

The purpose of this course is to help students make the transition into college learning, while discovering diverse business environments. Students will begin to learn essential skills such as professional communication, interdependence learning, academic planning, and career development. In addition, students in this course will learn to cultivate personal growth and strong interpersonal connections.

**BSBA 2200 - Economics**

Credit Hours: 3

Economics is a General Studies course for non-business majors, which provides the student with a broad background in the field. The student will be exposed to micro- and macroeconomic theory and international economics, and should develop adequate knowledge to understand the role of economic systems and the application of economic principles in modern society. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned. Transferable General Studies Course  
BSBA 2200~#

**BSBA 2201 - Principles of Accounting I**

Credit Hours: 3

This course covers fundamental accounting theory and procedures: organization of accounts, the accounting cycle, working papers and the preparation of financial and operating statements for proprietorships.

**BSBA 2202 - Principles of Accounting II**

Credit Hours: 3

The second semester of this course is a further study of the accounting process as applied to various business organizations. The two semesters of this course are designed to give students an adequate understanding of the recording, classifying and summarizing of business transactions in order to proceed with the interpretation and analysis of accounting data. This is a basic course for accounting majors, majors in other areas of business administration, and those whose major interest is in economics, political science, law or other professional areas.

**Prerequisite(s):** BSBA 2201

**BSBA 2204 - Principles of Marketing**

Credit Hours: 3

A study of those business activities that direct the flow of goods and services from producers to consumers.

**BSBA 2209 - Principles of Management**

Credit Hours: 3

The emphasis in this course is on the modern approach to the field of management. Theoretical and practical approaches are presented, along with analytical techniques that are applicable in the various management and production areas.

**BSBA 2211 - Principles of Macroeconomics**

Credit Hours: 3

This course approaches the subject from the point of view of macroeconomics, studying the nature and method of economics and describing how the capitalist system functions. Further study is made of the business cycles, fiscal policy, monetary policy, gross national product, and similar concepts. Some time is devoted to the study of competing

economic systems. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned. Transferable General Studies Course  
BSBA 2211~#

**BSBA 2212 - Principles of Microeconomics**

Credit Hours: 3

This course is devoted to microeconomics. It follows the analysis of the firm and the decisions made by the managers of the firm, and includes the analysis of demand and supply and price and output determination. It is also concerned with the important problems in the field of economics: monopoly, agriculture, international trade, labor, economic development and similar issues.

**Prerequisite(s):** BSBA 2211

**BSBA 2220 - Fundamentals of Accounting**

Credit Hours: 3

This course introduces financial and managerial accounting including the accounting cycle, financial statement analysis, budgeting, cost-volume-profit analysis, internal reporting and decision-making.

**BSBA 2221 - Introduction to Financial Management**

Credit Hours: 3

This course is intended to give the student a background in the field of financial management, with emphasis on cost of capital, cost of external capital, cost of retained earnings, and similar concepts. It will also cover material investment decisions and financial decisions.

**Prerequisite(s):** BSBA 2201

**BSBA 2800 - Business Communications in a Digital Age**

Credit Hours: 3

Students in this course study the principles, strategies, and techniques of effective contemporary written, oral, and digital business communication. Emphasis is placed on reviewing grammar and mechanics as students create successful presentations and written messages

including e-mails, memos, letters, mobile and social posts, reports, and résumés. Students learn productive techniques for business meetings, presentations, and interviews, as well as communicating professionally in an increasingly global, digital, and mobile workplace.

**Prerequisite(s):** BISM 1200 and ENGL 1102 or ENGL 1103

**BSBA 3306 - Business Law I**

Credit Hours: 3

A study of the nature and function of our legal system, courts, and procedures as they relate to business, including the law of contracts and sales.

**BSBA 3307 - Business Law II**

Credit Hours: 3

Continuation of BSBA 3306. Substantive investigation of the law regarding corporations, commercial paper, agency, partnership and the legal basis of property as applied to business situations. Business 3307 will not satisfy the 3-hour requirement in the teaching fields in Business Education.

**Prerequisite(s):** BSBA 3306

**BSBA 3310 - Business and Economic Statistics.**

Credit Hours: 3

The course provides students with an introductory survey of business statistics. It covers three main units: descriptive statistics and data analysis, foundations of inference and inferential statistics.

**Prerequisite(s):** MATH 1430 or higher

**BSBA 3320 - International Business**

Credit Hours: 3

This is an introductory course, designed to expose students to the nature of international business and the cultural, social, political, economic and technological forces that make up its environment. Students will study the importance of international trade and organizations, as well as the international monetary system and its impact on businesses, current international business developments, projected long-term global trends, unique opportunities, problems, ethical issues, characteristics and demands

facing entrepreneurs and business personnel engaged in international business.

**Prerequisite(s):** BSBA 2209, BSBA 2204, BSBA 2211

### **BSBA 3322 - Managing Business in Europe**

Credit Hours: 3

This course is designed to focus on European markets. It will discuss issues that American firms have to deal with while doing business in Europe. With the European Union slated for expansion, enlarging an already large unified market, the European markets offer tremendous opportunities and challenges for businesses. The course will discuss the salient differences between the European and domestic management practices. To study the nature of the European markets first hand, students will go on a trip to Europe during the semester.

**Prerequisite(s):** With Instructor Approval

### **BSBA 3325 - Women and Work**

Credit Hours: 3

This course will analyze the social organization of women's work in the United States today and in the past. Students will examine the relationship between women's socialization, sense of self, family roles and the social, economic, and political forces which shape women's work. Topics will include affirmative action and comparable work, unionization, sexual harassment and traditional and nontraditional roles.

**Prerequisite(s):** ENGL 1102, COMM 2201, COMM 2202 or COMM 2200

### **BSBA 3330 - Leadership**

Credit Hours: 3

The purpose of this course is to help prepare students to assume increasingly responsible leadership roles of empowerment in their personal, professional and academic lives. This interdisciplinary, student-centered course focuses not only on significant theories of empowering leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning

opportunities in which students practice empowering leadership.

**Prerequisite(s):** ENGL 1102 (with a grade of a "C" or better) and BSBA 2209

### **BSBA 3399 - Special Topics in Business**

Credit Hours: 1-6

Advanced studies in special selected topics, to be determined by the instructor and approved by the College Dean.

Credits earned will be applicable as free electives in degree programs.

**Prerequisite(s):** Instructor approval required

### **BSBA 4408 - Business and Economics Field Studies**

Credit Hours: 3

This field experience, designed for business majors, actively engages students in a monitored work experience related to their major. Students may work independently or in teams, with guidance from a supervising faculty member on a specific project that benefits both the student(s) and the participating business.

**Prerequisite(s):** Instructor approval required, with approval of the College Dean

### **BSBA 4415 - Strategic Management and Policy**

Credit Hours: 3

This course allows the student to integrate the concepts and principles offered in the various disciplines of study within the College of Business and Aviation. Through the process of case analysis, students will enhance their analytic and problem-solving skills by formulating the policies and strategies that are used in modern business organizations.

**Prerequisite(s):** BSBA 3310 and BSBA 3320, BISM 2000 and senior standing

### **BSBA 4420 - Business Ethics and Corporate Accountability**

Credit Hours: 3

The course will explore business ethics emphasizing a responsible decision-making approach in personal and professional contexts to best prepare students for ethical challenges and issues of contemporary corporate accountability. Topics to be addressed include: personal



integrity; philosophical ethics; corporate culture and social responsibility; governance and conflicts of interest; workplace, marketing and employment ethics; sustainability and environmental responsibilities.

**Prerequisite(s):** BSBA 3320 and BISM 2000 or HCMG 3333

### **BSBA 4440 - Hospitality Management Internship**

Credit Hours: 3

This internship course is designed as a learning experience which integrates food service and business theory with actual job experience in a hospitality management-related work environment. The student must be enrolled in the four-year Hospitality Management program. The employer is responsible for evaluating and reporting the development of the student. Graded Credit/No Credit.

**Prerequisite(s):** Instructor approval required, with approval of College Dean

### **BSBA 4450 - Business Internship**

Credit Hours: 3-6

This business internship is designed to provide the business major with supervised work experience in a sponsoring organization. The student is expected to complete a minimum of 200 hours in a meaningful and challenging position. Graded Credit/No Credit.

**Prerequisite(s):** Instructor approval required, with approval of College Dean

### **BSBA 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Chemistry**

### **CHEM 1101 - General Chemistry**

Credit Hours: 4

Lecture/Lab Hours: 3 lectures and one 2-hour laboratory per week

A study of the theoretical concepts needed to understand typical chemical phenomena. The course addresses the nature of science, matter and measurements, the stoichiometry of chemical reactions, solutions and the calculation of concentration, energy relationships in chemistry, modern atomic theory, chemical bonding and molecular structure and the classification of reactions. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** ACT math score of 19; or old SAT Math score of 460; or new SAT Math score of 510; or ACCUPLACER Elementary Algebra score of 76 or new ACCUPLACER OAS score of 250 or College Level Math score of 40; or MATH 1410 ,MATH 1510 , MATH 1430,or MATH 1530 with a grade of D or better. Transferable General Studies Course CHEM 1101~

### **CHEM 1102 - General Chemistry II**

Credit Hours: 4

Lecture/Lab Hours: The course consists of 3 hours of lecture and one 2-hour laboratory per week

This course is an extension of CHEM 1101. It covers Lewis dot structures, molecular shapes, gas laws, properties of liquids and solutions, acid-base theory, chemical equilibrium, oxidation-reduction and an introduction to organic chemistry which includes the various classes of organic compounds, their nomenclature, structure, properties and reactions. The synthesis of polymers and their uses are included. When Offered: Spring semester only Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** CHEM 1101  
Transferable General Studies Course

**CHEM 1105 - Chemical Principles**

Credit Hours: 5

Lecture/Lab Hours: 4 hours of lecture and one 3-hour laboratory per week

This course constitutes an introduction to modern chemistry and its applications to society, including structure, nomenclature, properties and simple reactivity of inorganic chemicals, spectroscopy, stoichiometry involving solids, gases and solutions, chemical equilibrium, introductory kinetics and thermodynamics, electrochemistry and nuclear chemistry. CHEM 1105 and CHEM 2200 satisfy the first-year chemistry requirements for science majors and students pursuing pre-professional studies (e.g., premedical, pre-dental, pre-pharmacy, etc.). When Offered: Fall semester only

**Prerequisite(s):** ACT math score of 20; old SAT Math 480, new SAT Math 520; or ACCUPLACER QAS score of 255; or MATH 1430, or MATH 1530, or CHEM 1101 with a grade of C or better  
Transferable General Studies Course  
^CHEM 1105~

**CHEM 1199 - Special Topics in Chemistry**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**CHEM 2200 - Foundational Biochemistry**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

An introduction to biochemistry with emphasis on the role of basic general chemistry principles, including molecular structure and intermolecular forces, periodic properties, acid-base chemistry, diffusion and osmosis, kinetics and energetics, structural models and visualization. Introduces biochemical reaction mechanisms, cell components and their functions, and a chemical view of proteins, lipids, and cell membranes. CHEM 1105 and CHEM 2200 satisfy the

first-year chemistry requirements for science majors and students pursuing pre-professional studies (e.g., pre-medical, pre-dental, pre-pharmacy, etc.). When Offered: Spring only

**Prerequisite(s):** CHEM 1105

**CHEM 2201 - Organic Chemistry I**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course presents an overview of the properties and reactivity of all major classes of organic compounds and functional groups. Selected reactions and mechanisms, particularly those with a biochemical connection, are also discussed. When Offered: Fall semester only

**Prerequisite(s):** CHEM 2200

**CHEM 2202 - Organic Chemistry II**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course builds on the foundation from CHEM 2201 to provide a systematic study of the structure and reactivity of all major classes of organic compounds and functional groups with an emphasis on synthesis, mechanisms and structural relationships. When Offered: Spring Semester only

**Prerequisite(s):** CHEM 2201

**CHEM 2205 - Analytical Chemistry**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

Classical methods of chemical analysis, with an emphasis on quantitative techniques and statistical analysis. Topics include error propagation, median, mean and standard deviation, t-test, q-test, hypothesis testing, linear regression analysis, creation of appropriate graphs and use of calibration curves, equilibrium, precipitation, acid-base theory, acid-base and redox titrations, activities, electrochemistry and potentiometry. When Offered: Spring semester only

**Prerequisite(s):** C or better in CHEM 2200

**CHEM 3301 - Physical Chemistry I**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

*Writing Intensive*

A systematic treatment of chemical kinetics and thermodynamics, based on calculus and physics. The application of partial differentiation and mathematical software to chemical problems is specifically addressed. This course serves as an introduction to writing in the discipline, particularly in the laboratory component.

When Offered: Fall semester only

**Prerequisite(s):** CHEM 2200, ENGL 1102, MATH 2501, PHYS 1101 or PHYS 1105

**CHEM 3304 - Inorganic Chemistry**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This course covers the synthesis, reactions, and properties of elements and inorganic compounds. Topics include atomic and molecular structure; ionic bonding, crystals, and intermolecular forces; redox chemistry; acids, bases, and nonaqueous solvents; the main group elements; the transition metals; structure, bonding, synthesis and reactions of coordination compounds. When Offered: Fall semester only

**Prerequisite(s):** CHEM 2200

**CHEM 3315 - Instrumental Analysis**

Credit Hours: 4

Lecture/Lab Hours: The course consists of two hours of lecture and one four-hour laboratory per week

Basic concepts of instrument design and construction, operation of chemical instrumentation, use of standard procedures of analysis (including forensic and environmental methods), and method development for specific analyses.

Spectroscopic and chromatographic methods of analysis are emphasized. When Offered: Fall semester only

**Prerequisite(s):** CHEM 2200, CHEM 2205, PHYS 1102 or PHYS 1106

**CHEM 4401 - Independent Study**

Credit Hours: 1-3

Students elect to learn about a topic in greater depth than usual, or one not

covered in the regular curriculum, under the supervision of a faculty member.

**Prerequisite(s):** Instructor approval required

**CHEM 4402 - Internship**

Credit Hours: 1-3

Students undertake a practical work experience with oversight from the chemistry department. At least two hours' work experience is expected for every credit. A paper describing the experience is required.

**Prerequisite(s):** Instructor approval required

**CHEM 4403 - Independent Research**

Credit Hours: 1-3

Lecture/Lab Hours: At least two hours in the laboratory are expected for every credit.

Independent research under the direction of a faculty member. A paper describing the research is required. Course is repeatable up to three times.

**Prerequisite(s):** Instructor approval required

**CHEM 4404 - Synthetic Methods and Materials**

Credit Hours: 4

Lecture/Lab Hours: 2 hours of lecture and one 4-hour laboratory per week

This laboratory-intensive course is a study of synthetic methods and materials used in organic and inorganic chemistry, including green approaches to synthesis. Topics include organometallic compounds, metal catalysis, inert gas techniques, characterization techniques including electrochemistry, and the synthetic chemical literature. When Offered: Fall semester only, even years

**Prerequisite(s):** CHEM 2202, CHEM 3304

**CHEM 4412 - Physical Chemistry II**

Credit Hours: 4

Lecture/Lab Hours: 3 hours of lecture and one 3-hour laboratory per week

This heavily web-supported course deals with the development of quantum chemistry and its applications to spectroscopy. Elements of linear algebra, differential equations and mathematical software will be applied to chemical problems. When Offered: Spring semester, even years only

**Prerequisite(s):** CHEM 3301, MATH 2502, PHYS 1102 or PHYS 1106

**CHEM 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Civil Engineering Technology**

**CIVL 1100 - Introduction to Civil Engineering Technology**

Credit Hours: 1

This course is designed to expose the students to the broad field of Civil Engineering Technology and the various options at their disposal during their academic tenure, and after graduation. It will explore the many design tools required, and writing techniques necessary to foster academic success, and provides an introduction to professional societies, internships, and their role as professionals in the work force. It is highly recommended students take this course freshman year.

**Corequisite(s):** CIVL 2210

**CIVL 1199 - Special Topics in Civil Engineering Technology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**CIVL 2200 - Introduction to Surveying**

Credit Hours: 3

Topics in this course include theory of linear distance measurement, proper note keeping, transit/tape surveying techniques, leveling procedures, measurement of horizontal and vertical angles, stadia, bearings and azimuths, rectangular coordinates, topography and mapping techniques. Students will learn to use all types of surveying equipment, including levels, transits, theodolites, total stations, and Electronic Distance Measurements (EDM) devices.

**Corequisite(s):** MATH 1510 or math equivalent

**CIVL 2210 - Light Construction**

Credit Hours: 3

Students will be instructed in practices utilized in the erection of residential and industrial buildings, with technical information involving problems from ground to roof.

**CIVL 2220 - Construction Materials and Methods**

Credit Hours: 4

Identification, properties and standard test methods for steel, concrete, timber, masonry products, bituminous products, soils and aggregate. Heavy construction methods are also discussed.

**Prerequisite(s):** CIVL 2210, MATH 1510 or math equivalent

**CIVL 2230 - Construction Estimating**

Credit Hours: 3

This course covers construction cost-estimating techniques for various types of construction projects. Included are certain related topics such as production, bidding and specifications as they affect the contractor during the cost estimation process.

**Prerequisite(s):** CIVL 2220

**CIVL 2240 - Construction, Land and Route Surveying**

Credit Hours: 3

This course will cover horizontal and vertical control, building location and layout, pipeline layout, construction staking procedures, earth quantity measurements, triangulation, horizontal and vertical

curves, plan and profile, area and cross sections, volume calculations, mass diagrams, boundary control and deed descriptions.

**Prerequisite(s):** CIVL 2200, COMM 2202, ENGL 1103

### **CIVL 2275 - Civil Engineering Graphics**

Credit Hours: 3

This course will provide students with an introduction to computer-assisted civil engineering drafting and design. Includes coverage of graphics techniques, drawing organization, dimensioning, orthographic projection, and specific applications of civil engineering drafting and design. Typical applications include coordinate geometry, contours, topics in highway design, concrete, steel and structural wood drafting.

**Prerequisite(s):** TECH 1108

### **CIVL 2280 - Environmental Engineering Technology I**

Credit Hours: 3

This introductory course will provide an overview of the environmental field, including laws and regulations, water quality, hydraulic and hydrologic fundamentals, water and wastewater treatment, groundwater contamination, and solid waste management.

**Prerequisite(s):** CHEM 1101

### **CIVL 2290 - Introduction to Structures**

Credit Hours: 3

This is an introductory course focusing on the analysis and design of structures. It will provide an elementary overview of the analysis, design, and detailing of both steel and wood structures, with primary emphasis on steel. Course coverage will include design of beams, columns and connections.

**Prerequisite(s):** MECH 2200

### **CIVL 3305 - Hydraulics and Hydrology**

Credit Hours: 3

Topics in hydraulics will include closed conduit flow, networks, reservoirs, hydraulic machinery, pumps in series and parallel and hydraulic structures. Topics in hydrology will include statistics and probability, hydrologic cycle and data,

open channel flow, flood control and discharge, and culvert and detention pond design.

**Prerequisite(s):** TECH 2290 or MATH Equivalent, and CIVL 2280

### **CIVL 3340 - Introduction to Soil Mechanics**

Credit Hours: 4

This course covers soil origin and composition, index properties and classification, permeability, capillary, seepage, drainage, frost heave, combined stresses, total and effective stresses, compressibility and consolidation.

**Prerequisite(s):** MECH 2200, MECH 2220, TECH 2290 or math equivalent

### **CIVL 4400 - Highway Design and Transportation**

Credit Hours: 3

*Writing Intensive*

This course addresses basic transportation theory and design, traffic flow, capacity analysis, level of service, flexible and rigid pavement design, geometric design, and transportation planning models.

Restrictions: Baccalaureate majors only.

**Prerequisite(s):** CIVL 3340

### **CIVL 4410 - Advanced Structural Analysis**

Credit Hours: 3

This course provides an analysis of structures including cables, beams, columns, trusses and frames. Also included are buckling, shear, moment and deflection in statically determinate structures. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** CIVL 2290, TECH 3300 or math equivalent

### **CIVL 4420 - Construction Planning and Administration**

Credit Hours: 3

Introduction to construction management. Topics include construction planning and scheduling, economics, contracts, administration, health and safety, productivity and performance.

**Prerequisite(s):** CIVL 2230

### **CIVL 4440 - Structural Design**

Credit Hours: 3

A continuation of CIVL 2290, with more in-depth design of reinforced concrete and steel structures.

**Prerequisite(s):** CIVL 2290

**CIVL 4450 - Structures**

Credit Hours: 3

Introduction to the structural design of typical building components using steel, timber and concrete. The course will include design of laterally supported and unsupported beams, one and two-way slabs, columns, beam-columns, tension members, connections and wall and column footings.

**Prerequisite(s):** CIVL 2220, MECH 2200

**CIVL 4460 - Environmental Engineering Technology II**

Credit Hours: 3

This course will cover theories and practices in water and wastewater treatment systems, including physical, chemical and biological treatment processes. Other topics include surface water quality characteristics, modeling and permitting. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** CIVL 2280 and TECH 3300 or math equivalent

**CIVL 4470 - Advanced Soil Mechanics and Foundation Design**

Credit Hours: 4

This course is a continuation of CIVL 3340 and includes shear strength, laboratory and field test methods and their use in design. It also provides an introduction to shallow and deep foundations, including bearing capacity and settlement analysis, the study of earth pressure for use in design of retaining walls, sheet piles, and excavating bracing, and an introduction to earth structure design and slope stability analysis.

Restrictions: Baccalaureate majors only.

**Prerequisite(s):** CIVL 3340

**CIVL 4480 - Civil Engineering Projects & Applications**

Credit Hours: 3

This course is designed to serve as a capstone course for Civil Engineering

Technology majors. Students are required to successfully complete an approved senior project in the field of Civil Engineering Technology. This course requires successful student participation in presentations and professional written communications along with teamwork and project management. When Offered: Spring Restrictions: Baccalaureate majors only.

**Prerequisite(s):** ENGL 1103 CIVL 4470 CIVL 4410

**CIVL 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**SURV 2200 - Professional Surveying Practices**

Credit Hours: 3

This course will introduce the broad skills required of a surveyor in a business atmosphere. Topics include business plan formulation, basic financial forms and accounting, pricing and bidding projects, marketing, contracts and proposals, and project management. Additional topics include preparing boundary descriptions, preparing survey reports, professional ethics, in addition to dealing with and obtaining oral evidence from landowners and other persons, both clients and adjoiners. This course will also introduce working with legal professionals: interaction with and cooperation with attorneys, preparation for depositions and testimony, effectively conveying and

defending survey opinions in court.

**Corequisite(s):** ENGL 1103

**SURV 2210 - Interpreting Land Records**

Credit Hours: 3

Course topics include obtaining and analyzing deeds, wills, plats and other recorded documents, including instruction and practice in reading archaic cursive writing in old documents. The course will also incorporate the practices of finding and using other evidence not generally found in courthouse records, including old and new aerial photographs, other photographs, highway and other right of way plans, and assorted archival material.

**SURV 2220 - Surveying Engineering Graphics**

Credit Hours: 3

This course will emphasize field to office data automation as well as the use of coordinate geometry software. Topics will include data analysis, data adjustment and mapping calculations of municipal and rural maps and drawings, drainage applications, plan and profile drawings, cross-sections, earthwork plats, legal descriptions, contour and topography generation, quantity calculators, and other details related to pertinent surveying technology drawings. Computer aided-drafting (CAD) with Carlson is used for drawings.

**Prerequisite(s):** TECH 1108

**SURV 2230 - Land Survey Boundary**

Credit Hours: 3

Topics include an overview of the basic concepts of boundary law and retracement, understanding the relative importance of different types of boundary evidence, and recognizing the often complex nature of boundary retracement.

**SURV 2260 - Dendrology**

Credit Hours: 3

Course provides an overview of tree taxa of the Appalachian Region. Topics include indigenous species identification, morphology, distribution, habitat and ecology. Students will gain knowledge on how morphology, life history, and ecology

are related to habitat and distribution of woody plants.

**SURV 2290 - Boundary Retracement**

Credit Hours: 3

This class will continue with practical and in-depth instruction in the methods of recognizing and analyzing boundary evidence, and correlating record evidence with physical evidence. The class will also focus on applying logic and professional judgment in resolving conflicts between different aspects of the evidence, and reaching sound and defensible conclusions in the resolution of boundary issues.

**SURV 3320 - Geodesy**

Credit Hours: 3

This course will encompass the techniques of precise horizontal and vertical control surveying. Emphasis will be on practices of both government and private organizations. The use of directional theodolites, levels, and total station measurement is stressed. Topics include geometry of ellipsoids, coordinate systems, precise leveling and orthometric height, geodetic position computation and gravity field of earth.

**Prerequisite(s):** CIVL 2200

**SURV 3340 - Principles of Photogrammetry**

Credit Hours: 3

This course will provide an introduction to the advantages of photogrammetry, both as a mapping and planning tool. Topics include vertical photo geometry, scale, displacement due to relief and tilt, viewing and measuring, development of planimetric and topographic maps, flight planning and aerial triangulation.

**Prerequisite(s):** CIVL 2200

**SURV 3380 - Topographic Surveying**

Credit Hours: 3

Course will include the use of Global Positioning Systems (GPS) equipment in order to collect and create survey products in a computer aided drafting environment. Topics include geodetic horizontal and vertical datums, projection systems, datum transformations, and cadastral surveying as applied to the U.S. Public Land Survey

System.

**Prerequisite(s):** CIVL 2240 SURV 2220

**SURV 4400 - Surveying Internship**

Credit Hours: 3

Students shall complete an advisor-approved surveying internship or co-op. Responsibilities must be in the field of surveying. (Baccalaureate majors only)

**SURV 4420 - Surveying Practices and Decision Making**

Credit Hours: 3

Students will learn to apply the principles of boundary retracement and boundary law using actual or virtual cases to develop skills in analyzing boundary evidence and making professional decisions, to enable students to begin developing the ability to analyze and resolve boundary issues.

**Prerequisite(s):** SURV 2200, SURV 2290

**SURV 4480 - Surveying Projects and Applications**

Credit Hours: 3

This course is designed to serve as a capstone course for Surveying and Geomatics Engineering Technology majors. Students are required to successfully complete and approved senior project, with industry collaboration. This course requires both individual participation and teamwork in presentations, industry standards, and professional written communications.

**Prerequisite(s):** SURV 4420

**Community Health Education**

**CHEP 1100 - Health Promotion**

Credit Hours: 4

Students will explore the significance of each dimension of health and the reciprocal relationship between human health status and the environment. Various body systems and related health issues will be discussed. Students will learn how to be educated consumers of health information and how to advocate for health on behalf of their clients.

**CHEP 1110 - Nutrition & Health Promotion**

Credit Hours: 3

This course examines nutritional needs across the life cycle and in special populations. The course will also discuss challenges to healthy nutrition, including eating disorders and economic/geographical barriers. Students will develop a plan for healthy nutrition.

**CHEP 2202 - Environmental Health**

Credit Hours: 3

This course focuses on current environmental health issues such as population dynamics and interventions designed to modify the environment in order to improve communities as well as the impact of humans on their environment. Students examine the ramifications of decisions regarding management of environmental resources (i.e. air, water, forests, etc.), their impact on quality of life and the role of organizations/governmental agencies involved with pollution control will be undertaken.

**CHEP 3000 - Epidemiology & Disease Etiology**

This course examines the multi-causal issues that lead to disease. Disease types, tracking, diagnosis, methods of transmission, prevention, and treatment will be covered. Students are introduced to the scientific processes of health research. Students will analyze the causes of disease and assess disease progression in communities.

**Prerequisite(s):** CHEP 1100 OR PSYC 1101 OR SOCY 1110

**CHEP 3315 - Healthy Sexuality**

Credit Hours: 3

This course introduces students to the biological, psychological, and cultural aspects of sex, sexuality, and gender. Students will discuss sensitive and controversial topics with the goal of increased appreciation for diversity. Topics include sexual development, behavior and decision making, sexually transmitted infections, sexual abuse, sexual addiction, and societal/cultural influences.

**Prerequisite(s):** Junior-or-Senior-level standing



**CHEP 3320 - Behavior Change Theory**

Credit Hours: 3

This course examines theories, models, and constructs related to personal, environmental, and population-based health risk and health enhancing behaviors. Students will apply course material to health promotion in a variety of settings.

**Prerequisite(s):** CHEP 3000 OR PSYC 1101 OR SOCY 1110

**CHEP 3345 - Needs Assessment**

Credit Hours: 3

The course assesses health-related needs, assets, and capacity in communities. Students will participate in data collection and analysis, as well as develop recommendations to promote health in the community.

**Prerequisite(s):** CHEP 3000

**CHEP 3350 - Program Planning & Evaluation**

Credit Hours: 3

This course examines the importance of health promotion programs. Students will design/tailor and implement programs to meet the needs of an identified community. Students will also participate in program evaluation and offer recommendations for improvement.

**Prerequisite(s):** CHEP 3000, CHEP 3345

**CHEP 3355 - Health Geography**

Credit Hours: 3

Health geography merges the fields of population health, epidemiology, medicine, and geography. Investigating human health and disease through a geo-spatial lens better equips those working in health promotion to meet the needs of the target population. This course provides a broad introduction into using spatial analysis to better understand the underlying factors that contribute to health and disease.

**Prerequisite(s):** GEOG 2210

**CHEP 3360 - Communication Techniques for Health Promotion**

Credit Hours: 2

This course examines health communication, tailoring of health

materials, using social media for health promotion, etc. Low health literacy and low reading literacy and their impact on health status are covered. Students apply the course material and develop health promotion materials related to a health topic of interest to them.

**Prerequisite(s):** CHEP 3000 OR PSYC 1101 OR SOCY 1110

**CHEP 3399 - Special Topics**

Credit Hours: 1-6

Studies in special selected topics will be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**CHEP 4000 - Death, Dying, and Caretaking**

Credit Hours: 3

This course examines theories surrounding life/death, grief/bereavement, and caregiving. Stress management and life-balance of formal and informal caretakers are covered. Additionally, the legal and political issues of death and caregiving are covered.

**Prerequisite(s):** CHEP 3000 or PSYC 1101 OR SOCY 1110

**CHEP 4001 - Disability, Communities, & Health**

Credit Hours: 3

This course investigates the experiences and needs of individuals with disabilities, health impairments, and/or chronic pain. Topics include how disabilities are defined, measured, perceived in society, health disparities/inequality, and emerging trends/topics of concern. Students investigate the challenges faced by individuals when navigating through society as well as ways communities can create a more inclusive environment.

**Prerequisite(s):** CHEP 3000 OR PSYC 1101 OR SOCY 1110

**CHEP 4410 - Public Health Policy Seminar**

Credit Hours: 2

This course provides a framework for identifying public health policy issues. Topics covered each semester will be

tailored to current events while incorporating historical influences on current situations. Students will participate in advocacy for health education/promotion, discuss current and emerging health issues; explain how policy and/or systems change can promote or discourage health.

**Prerequisite(s):** Junior or Senior-Level Standing

### **CHEP 4411 - Community & Public Health Policy, Ethics, and Professionalism**

Credit Hours: 3

This course provides a framework for critically analyzing public health policy, ethics, and professionalism. Topics covered each semester will be tailored to current events while incorporating historical influences on current situations. Students will participate in advocacy for health education/promotion, discuss current and emerging health issues; explain how policy and/or systems change can promote or discourage health.

**Prerequisite(s):** Junior- or Senior-level standing.

### **CHEP 4420 - Child Welfare**

Credit Hours: 3

This course introduces students to the child welfare system and related community-based resources. Students will examine the social norms, cultures, social/family, policies, and their own attitudes related to child welfare issues. Students will practice critical thinking skills within the framework of complex child welfare issues.

**Prerequisite(s):** Junior- or Senior-level standing

### **CHEP 4440 - Health Research and Measurement Design**

Credit Hours: 3

This course examines principles of research and measurement including research ethics, instrument construction, designing a study and an examination of concepts and strategies involved with assessment. Students identify a health topic of interest, determine what is currently known on the topic, and develop a research project to further the knowledge on the topic.

**Prerequisite(s):** Prerequisite with concurrency of statistics class.

### **CHEP 4445 - Health Research Implementation**

Credit Hours: 3

This course investigates the concepts of project management, data collection, analysis methods, and designs used in health-related programs. Students collect data on a health topic of interest to them, analyze the data, and make recommendations for health promotion based on the findings.

**Prerequisite(s):** CHEP 4440

### **CHEP 4450 - Program Funding & Administration**

Credit Hours: 3

#### *Writing Intensive Course*

This course provides an overview of securing funding for and managing of health promotion programs. Students will create a grant proposal and other materials necessary for managing a health promotion program.

**Prerequisite(s):** ENGL 1102 or higher and MATH 1407 or higher

### **CHEP 4480 - Community Health Capstone**

Credit Hours: 4

This course serves as a review for the Community Health program. Topics include assessing and addressing community health needs, advocating for health, using behavior change theory to promote health, managing health promotion programs/research. Students will participate in class discussions, reflect on assigned readings and apply skills developed across courses to real-world, health-related situations. Students will also take practice exams that are aligned with various professional accreditation bodies in the health promotion field.

**Prerequisite(s):** CHEP 3350

### **CHEP 4490 - Community Health Internship**

Credit Hours: 3

This course is a 120-hour, semester-long experience working directly with a community agency during the student's

last semester. Specific goals will meet the needs of the agency in collaboration with the student and the course faculty. Expectations include implementing, administering, or managing a health education project, and serving as a health promotion/education resource person. Students also develop a portfolio showcasing their best work from the internship.

**Prerequisite(s):** CHEP 3350

### **CHEP 4495 - Directed Studies**

Credit Hours: 1-6

This course allows students to work on individualized projects to further enhance their education in health promotion. Requirements and credit must be decided before registration through faculty mentor-student consultation. Examples include conducting an in-depth analysis of a health issue, completing an additional internship opportunity, or designing/adapting health promotion programs. Repeatable. Instructor approval required.

**Prerequisite(s):** Senior Level. Instructor approval.

### **CHEP 4498 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research provides an opportunity for students to engage in scholarly activities. Under the faculty mentor's guidance, students will design and carry out the approved scholarly activities. The primary goal is for student scholars to conduct an inquiry or investigation that makes an original, intellectual, or creative contribution to the discipline and which is shared in an appropriate venue. Sophomore-Senior Level, Repeatable. Instructor approval required.

**Prerequisite(s):** Junior- Senior Level. Instructor approval

## **Communication**

### **COMM 1105 - Voice & Diction**

Credit Hours: 3

This course covers the theory and practice of speech science, provides the basic information necessary for further speech and drama study and helps students

improve their speaking skills. When Offered: Fall semester only Restrictions: Open to communication and theatre arts and music students only.

### **COMM 1199 - Special Topics in Communication**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the College's Dean. Maximum credit allowed is 3 hours per semester, up to 12 hours total Credits earned will be applicable as free electives in degree and certificate programs.

### **COMM 2200 - Introduction to Human Communication**

Credit Hours: 3

Examines the theoretical foundations of human communication through definitional analysis and examination of communication models, code elements and ethical considerations pertinent to communication in our society. This course provides the opportunity for each student to participate in interpersonal and public speaking presentations to develop his/her skills in interacting with others in both the personal and professional arenas. Satisfies General Studies category ID, IG, and IV requirement. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** Completion of ENGL 1101 with a "C" or better or a Verbal ACT score of 21 or higher

Transferable General Studies Course  
COMM 2200~

### **COMM 2201 - Introduction to Group Discussion**

Credit Hours: 3

This course focuses on the theories, concepts and skills necessary to function effectively in a variety of group settings. Students will use research, organization, critical thinking and presentational skills when participating in groups to investigate social problems and create potential solutions for those problems. Topics include group norms, rules, roles, conflict management, leadership, problem solving,

decision-making and team building. Satisfies General Studies category ID, IG, and IV requirement.

**Prerequisite(s):** Completion of ENGL 1101 with a "C" or better grade or a Verbal ACT score of 21 or higher

**COMM 2202 - Introduction to Communication in the World of Work**

Credit Hours: 3

This course focuses on personal and professional communication. It examines the nature of communication in the world of work. Students will exam and practice individual, group and presentational communication skills necessary to work effectively with peers, supervisors, supervisees and constituents. Topics addressed will include interpersonal communication, socialization, organizational culture, group dynamics, leadership, power and status, meeting facilitation, problem solving, presentation research, organization and delivery. Satisfies General Studies category IG and IV requirement.

**Prerequisite(s):** Completion of ENGL 1101 with a "C" or better or a Verbal ACT score of 21 or higher

**COMM 2213 - Introduction to Communication Theory and Research Practices**

Credit Hours: 3

*Writing Intensive*

This course provides an overview of the concepts and methods used to design, conduct, interpret and evaluate communication research. The aim of the course is for students to become informed consumers of research as well as producers of it on a basic level. The course will develop the skills necessary to design, organize, conduct, report and present research competently and ethically. In order to satisfy the Writing Intensive requirement, students will be required to complete a comprehensive written literature review analyzing the work of other researchers on a chosen topic related to communication theory.

**Prerequisite(s):** ENGL 1102

**COMM 2219 - Language in Communication**

Credit Hours: 3

A study of verbal coding for communication, this course focuses on the function of language in oral communication, theories of oral language acquisition and behavior and the special problems involved in oral language coding for audiences. When Offered: Spring semester only

**Prerequisite(s):** COMM 2200, COMM 2201, or COMM 2202

**COMM 2241 - Argumentation & Debate**

Credit Hours: 3

A study of the principles of argumentation, logic and reasoning, evidence and decision-making. A practical application of these principles is emphasized through the study of current controversies and oral class debates. When Offered: Fall semester only

**Prerequisite(s):** COMM 2200, COMM 2201, or COMM 2202

**COMM 2249 - Intercollegiate Debate I-IV**

Credit Hours: 1-4

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit allowed is 1 hour per semester, up to 4 hours total Restrictions: Open to freshmen and sophomores. (Juniors and seniors, see COMM 4449.).

**COMM 2250 - Professional Exploration in Communication**

Credit Hours: 1

In this course, students will explore the role of the communication professional in a variety of fields such as media, non-profit, government, business, and health. Students will participate in a mid-program review with communication faculty and the class will culminate in a paper/presentation on a communication profession or field of study. Restrictions: Open to communication arts majors and minors only.

**COMM 3000 - Communication Perspectives of Popular Culture**

Credit Hours: 3

This course provides students the opportunity to critically analyze popular culture from a communication theory perspective. The production and consumption of popular culture (such as television, movies, music, popular books and magazines, sports, holidays, festivals, and folklore) will be explored including how it shapes and reflects cultural values, norms, roles, practices and institutions. A range of methodological and theoretical approaches will be used to examine and analyze the producers, audiences and meanings of popular culture in communication contexts. NA When Offered: Fall Only

**COMM 3200 - Social Media Communication Concepts and Practices**

Credit Hours: 3

This course focuses on social media practice, theory and evolution. Students will explore the major media platforms, their evolution and their use in interpersonal, organizational and societal communication. NA When Offered: Spring Only

**COMM 3300 - Intercultural Communication**

Credit Hours: 3

This course examines the meaning, significance and impact of intercultural communication as it applies individually, nationally and globally as well as in groups and organizations. The course will explore the meaning of "culture" and its effects on perception and understanding. Both macro and micro cultural differences will be examined and the danger of cultural misunderstanding will be explored. The course will also examine the ever-growing need for intercultural communication competence and introduce ways to increase that competence.

**Prerequisite(s):** COMM 2200, COMM 2201, or COMM 2202

**COMM 3310 - Health Communication**

Credit Hours: 3

This course is an overview of the field of

health communication with attention to analysis and practice of health communication relationships and messaging.

**COMM 3320 - The Art of Storytelling in Theory and Practice**

Credit Hours: 3

The emphasis of the course will be on both the theory and research related to storytelling and the art of storytelling as performance. In this performance-based course, students will select, craft, rehearse and perform stories suitable to a variety of audiences. Students enrolled in this course are required to attend the National Storytelling Festival in Jonesborough, Tennessee. When Offered: Fall semester, odd-numbered years Same Course As: FOLK 3320 and THEA 3320

**COMM 3330 - Organizational Communication**

Credit Hours: 3

This course is the study of the role communication plays in organizations. Major theories of organizational communication will be examined via the identification, definition, and application of primary concepts such as corporate culture, ethics, teamwork, and the role of technology, leadership, and diversity. Organizational communication systems will also be examined.

**Prerequisite(s):** COMM 2200, COMM 2201, or COMM 2202

**COMM 3337 - Persuasive Communication**

Credit Hours: 3

This course is an in-depth study of the speaker, audience and environmental factors influencing the persuasive process. It is designed to give advanced communication students training in the preparation, presentation and critical analysis of persuasive speeches. Various delivery styles, including impromptu and extemporaneous, will be used. When Offered: Fall semester only

**Prerequisite(s):** COMM 2241

**COMM 3345 - Oratory**

Credit Hours: 3

Students will study the role of

rhetoric/public discourse as an agent of change in a free society, and prepare a persuasive manuscript to be delivered to a public audience. This class prepares students for participation in the M. M. Neely Persuasive Speaking Contest. When Offered: Spring semester only

**Prerequisite(s):** COMM 3337

**COMM 4420 - Contemporary Storytelling**

Credit Hours: 3

This course is an introduction to the study of images as a communicative phenomenon and ethnographic storytelling. Students will explore the use of digital images to communicate specific information in a variety of contexts such as public relations, journalism, or web-based publication and the use of ethnographic research as a tool for audio documentary.

**Prerequisite(s):** COMM 2241 and BISM 2800

**COMM 4439 - Public Speaking Practicum I-VIII**

Credit Hours: 1-8

Preparation for and participation in public performances and intercollegiate competitions and festivals in public speaking, i.e., after-dinner, extemporaneous, oratory, etc. Maximum credit allowed is 1 hour per semester, up to 8 hours total

**COMM 4449 - Intercollegiate Debate I-IV**

Credit Hours: 1-4

This course provides training for and participation in intercollegiate debate tournaments at colleges and universities throughout the eastern United States. Credit is also given for researching the intercollegiate debate proposition for the current academic year. Maximum credit allowed is 1 hour per semester, up to 4 hours total Restrictions: Open to juniors and seniors. (Freshmen and sophomores, see COMM 2249).

**COMM 4491 - Directed Study in Communication**

Credit Hours: 1-3

The student may elect directed study in any area of communication which is not treated in the communication course offerings.

Coursework is designed by the student and selected faculty, with approval of the College's Dean. Maximum credit allowed is 3 hours per semester, up to 12 hours total

**Prerequisite(s):** Instructor approval

**COMM 4496 - Communication in Practice: Internship**

Credit Hours: 3

The communication internship is designed to provide students with a supervised opportunity to apply their communication skills in a business or organization.

Students are expected to complete a minimum of 100 hours in a meaningful and challenging placement. This placement should be made in cooperation with a member of the communication arts faculty or a faculty member teaching in a communication arts track. Students will attend course orientation sessions at the beginning of the semester and course reflection and evaluation sessions at the end of the semester. The final reflection will include a portfolio presentation that demonstrates students' understanding of communication in theory and practice as well as their own strengths and weaknesses as a communicator. This placement, the reflection, and the portfolio presentation make up the capstone experience for students majoring in communication arts. Restrictions: Open to communication arts majors only.

**COMM 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of the student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Maximum credit allowed is 3 credit hours per semester, up

to 9 credit hours total

**Prerequisite(s):** Sophomore standing and above, instructor approval

## **Computer Science**

### **COMP 1100 - Introduction to Computer Science**

Credit Hours: 3

This course provides an overview of the current state of computing and its social implications. This is intended to be used as a breadth-first introductory course for majors and non-majors. Topics include organization of a computer system, discussion of a broad range of software systems, problem solving, database systems, networking, computer security, ethical issues, and emerging areas in computer science.

### **COMP 1110 - Introduction to Programming**

Credit Hours: 3

This course provides an introduction to problem solving using a suitable high-level programming language (e.g., Python), with applications in engineering technology and science. Topics include basic hardware and software concepts, data types, input/output, control structures, and modularization. Several programming projects are assigned to provide the students with experience in program development. This course will not count towards the requirements for a Computer Science/Cybersecurity degree and may not be substituted for COMP 1120. Computer Science/Cybersecurity majors may take this course as a free elective if they do not meet the prerequisite for COMP 1120.

**Prerequisite(s):** MATH ACT score of 19 or MATH SAT score of 510

### **COMP 1120 - Principles of Programming I**

Credit Hours: 3

A study of the foundations of computer programming. Students are introduced to data representation, software development life cycle, and programming concepts including data types, console input/output, control structures, modularization, and text file processing. Programming projects are

assigned in Java to provide experience in program development.

PR: MATH ACT score of 21 or MATH SAT score of 530 or MATH 1430 or a grade of C or better in COMP 1110

**Prerequisite(s):** MATH ACT score of 21 or MATH SAT score of 530 or MATH 1430 or a grade of C or better in COMP 1110

### **COMP 1130 - Principles of Programming II**

Credit Hours: 4

Lecture/Lab Hours: The course consists of three hours of lecture and three hours of lab per week

This course covers arrays, searching/sorting, pointers, strings, recursion, and advanced file I/O.

Programming projects are assigned in C++ to provide experience in implementing multi-part applications using these concepts.

**Prerequisite(s):** A grade of C or better in COMP 1120

### **COMP 1199 - Special Topics in Computer Science**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

### **COMP 2200 - Object-Oriented Programming**

Credit Hours: 3

This course covers concepts of object-oriented programming using the Java programming language. Topics include objects and classes, encapsulation, inheritance, polymorphism, generic programming, exception handling, graphical user interface, and event-handling.

**Prerequisite(s):** COMP 1100 or COMP 1110 or COMP 1120 or BISM 1200

### **COMP 2201 - Machine Organization**

Credit Hours: 3

This course provides an overview of computer organization. Topics include assembly language, data representation,

subroutine calling conventions, the OS kernel, interrupt handling, and an introduction to digital logic. Programming projects are assigned to exemplify the topics covered in class.

**Prerequisite(s):** A grade of C or better in COMP 1130

### **COMP 2203 - Introduction to Game Principles**

Credit Hours: 3

This course is an introduction to basic principles of interactivity and game design. Asset creation, event handling, scores, displays, and sequencing are covered.

Same Course As: GRFX 2203

**Prerequisite(s):** GRFX 1113

### **COMP 2220 - Fundamentals of Computer Security**

Credit Hours: 3

Lecture/Lab Hours: The course consists of three hours of lecture per week  
Topics to be covered in this course include access control, hacking, malicious code, intrusion detection, countermeasures, firewalls, network security, cryptography, forensics, ethical issues and other current issues.

**Prerequisite(s):** COMP 1100/COMP 1110/COMP 1120 *or* BISM 1200

### **COMP 2230 - Client-Server Systems**

Credit Hours: 3

This course covers the design and implementation of software applications in a networked environment. Topics include a broad overview of network technology, the OSI model, socket programming, multithreading, and web programming.

Restrictions: A grade of C or better in COMP 2200

**Prerequisite(s):** A grade of C or better in COMP 2200

### **COMP 2270 - Data Structures**

Credit Hours: 3

This course covers linear and non-linear data structures and their associated algorithms. Topics include analysis of algorithms using Big-O notation, linear data structures (linked lists, stacks, and queues), non-linear data structures (trees and graphs), and hash tables.

**Prerequisite(s):** A grade of C or better in COMP 1130

### **COMP 2541 - Fundamentals of Data Science**

Credit Hours: 3

This course covers mathematical structures crucial for data scientists. Topics include set theory, essentials of matrices, graphs and trees, and a treatment of some useful probability concepts. All topics will be paired with appropriate software. When Offered: Spring Same Course As: MATH 2541

**Prerequisite(s):** MATH 1550 AND COMP 1110

### **COMP 2542 - Applied Data Science**

Credit Hours: 3

This course provides an overview of data science, introduces the different steps involved in data science, and provides the students hands-on experience with tools and methods. Topics include data acquisition and cleaning, data processing, data organization and management, data analysis, data visualization, data warehousing, and data security/privacy. When Offered: Fall Same Course As: MATH 2542

**Prerequisite(s):** MATH 1550 and COMP 1110

### **COMP 3300 - Computer Graphics**

Credit Hours: 3

This course provides an introduction to interactive graphics programming. Topics include algorithms for generating graphics output primitives, two- and three-dimensional geometric transformations, drawing wireframe and solid objects in a three-dimensional scene, line and polygon clipping, and basic animation techniques.

**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 3310 - Artificial Intelligence**

Credit Hours: 3

This course provides an introduction to the fundamental topics in artificial intelligence as well as application of artificial intelligence in real-world problems. Topics include intelligent agents, problem solving using searching, game playing, knowledge



representation and reasoning, uncertainty and probabilistic reasoning, and learning.  
**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 3330 - Analysis of Algorithms**

Credit Hours: 3

This course covers complexity of algorithms and algorithm design techniques. Topics include analysis of algorithm correctness, analysis of algorithm efficiency using asymptotic notations, algorithm design techniques including brute-force, divide-and-conquer, greedy, and dynamic programming approaches.

**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 3340 - Operating Systems**

Credit Hours: 3

This is an introduction to historical and current operating system principles and operation. Topics include the function and operation of the major areas of the operating system such as user interfaces, process control, concurrent processes and synchronization, primary and secondary memory management, file systems, I/O, and security issues.

**Prerequisite(s):** COMP 2201 and COMP 2270

### **COMP 3380 - Introduction to Cryptography**

Credit Hours: 3

This course provides an introduction to cryptography. Major topics to be covered include the history of cryptography and single and public key encryption. Students will develop various cryptographic applications implementing or using digital certificates, digital signatures, IPsec, Kerberos, PGP, PKI, Rijndael, secure e-mail, SSL and TLS.

**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 3390 - Network Security**

Credit Hours: 4

This course combines classroom and laboratory work to explore network security attacks and solutions. Commercial-Off-The-Shelf (COTS) network devices such as servers, routers, bridges, switches, hubs,

firewalls, scanners and intrusion detection systems will be configured to demonstrate network security solutions for selected real-world scenarios.

**Prerequisite(s):** COMP 2220 and BISM 2600

### **COMP 3395 - Ethical Issues in Computing**

Credit Hours: 3

*Writing Intensive*

This course provides an introduction to various legal and ethical issues in computing. Topics to be covered include privacy rights, intellectual property rights, electronic transactions and liabilities, hacking, computer crime, encryption policies, offensive speech, anonymity, employee monitoring and e-mail policies, censorship, AI/expert systems, codes of ethics (ACM, IEEE, ISC(2) and NSPE) and political freedom.

**Prerequisite(s):** COMP 1100 *or* COMP 1110 *or* COMP 1120 **and** ENGL 1102

### **COMP 4400 - Automata Theory**

Credit Hours: 3

This course covers the theoretical foundations of computer science and the abstractions of computational processes. Topics include finite automata, regular languages and grammars, context-free languages and grammars, pushdown automata, and Turing machines.

**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 4410 - Database Management**

Credit Hours: 3

Students will develop familiarity with database terminology and will study database design and implementation. The primary focus will be on the relational model, relational algebra and SQL, and application development. Issues of functional dependencies, normal forms, indexing, and query optimization will also be discussed.

**Prerequisite(s):** COMP 2270 and MATH 2562

### **COMP 4415 - Vulnerability Assessment**

Credit Hours: 4

Lecture/Lab Hours: The course consists of three hours of lecture and two hours of lab

per week

This course provides theoretical and practical instruction for assessing computer vulnerabilities and countermeasures.

Topics to be covered include firewalls, hacking, intrusion detection, incident response, penetration testing and security policies. The laboratory portion of the course will provide hands-on experiments connected with various vulnerability assessment and countermeasures topics.

**Prerequisite(s):** COMP 3390

#### **COMP 4420 - Selected Advanced Topics**

Credit Hours: 3

This course will address current topics of interest in computer science, to be determined by the instructor and approved by the department chair.

**Prerequisite(s):** Instructor approval required

#### **COMP 4421 - Computer Science Special Project**

Credit Hours: 3

Each student enrolled in this course will develop an independent project under supervision of the instructor. The project will be a practical application of computer science. The student and instructor will agree on the nature of the project necessary to satisfy the course requirement.

**Prerequisite(s):** Instructor approval required

#### **COMP 4440 - Software Engineering**

Credit Hours: 4

This course covers the key aspects of software engineering principles and practice. Topics include software life cycle/process models, software requirements, software design, software testing, team management, and project management. This course also provides a capstone experience, integrating the knowledge students have acquired in previous courses, as they work on a team-based software development project.

**Prerequisite(s):** COMP 2200 and COMP 2270

#### **COMP 4450 - Introduction to Data Mining**

Credit Hours: 3

This course introduces the fundamental topics in data mining, as well as application

of data mining in real-world problems.

Topics include data preprocessing, classification, clustering, association mining, web mining, etc.

**Prerequisite(s):** COMP 2270 *and* MATH 2562 **OR** COMP 2541/MATH 2541 *and* COMP 2542/MATH 2542

#### **COMP 4460 - Game Design and Implementation**

Credit Hours: 4

This comprehensive course in game design and implementation covers an analysis of the game engine technology and the implementation of artwork and custom computational structure within a game engine framework. Same Course As: GRFX 4460

**Prerequisite(s):** COMP 1130, COMP 2203/GRFX 2203

#### **COMP 4495 - Cybersecurity Senior Project**

Credit Hours: 3

This course allows students to obtain real-world cybersecurity work experience through an internal project or through an internship with government or private organization.

**Prerequisite(s):** Instructor approval required

#### **COMP 4510 - Data Science Capstone**

Credit Hours: 3

The focus of this course is on preparing students for the workforce through a large-scale project generated either internally or through contacts with local or regional industry. In the process, students will learn about advanced Data Science topics like big data analysis, distributed data analytics, data warehousing, predictive modeling, and simulations.

When Offered: On demand. Same Course As: MATH 4510

**Prerequisite(s):** COMP 4450

#### **COMP 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with

each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **Criminal Justice**

### **CRIM 1100 - Introduction to Criminal Justice**

Credit Hours: 3

This course introduces the student to the three principal components of the criminal justice system: law enforcement, the judiciary and corrections. It will examine the history, structure, functions and issues of each component, and introduce the student to the measurement of crime, criminological theories, criminal law, justice perspectives and the juvenile justice system.

### **CRIM 1101 - Police Operations**

Credit Hours: 3

The student will be introduced to the day-to-day duties of a police officer. Emphasis will be placed on community and human relations, patrol and traffic functions, order maintenance, report writing, investigations, communications, interviewing, search and seizure and arrest. Police stress and survival skills will also be discussed.

### **CRIM 2202 - Principles of Criminal Law**

Credit Hours: 3

Structure, definitions and interpretations of criminal statutes of particular interest. The course will cover the scope, purpose and definition of criminal law in general, including the study of crimes against individuals and property and other offenses.

### **CRIM 2206 - Introduction to Corrections**

Credit Hours: 3

A survey of the current correctional process in America, including the origin and legal procedures of the present system and its

effects on the individuals as well as on our society. Special emphasis is given to current theories of rehabilitation in the institution and in probation and parole. Students will also be introduced to the administration of the adult and juvenile institutions and the alternatives to and future of the present system.

### **CRIM 2209 - Firearms**

Credit Hours: 3

This course addresses safety precautions, legal provisions, moral aspects, principles of decision shooting and restrictions in the use of firearms. Nomenclature and the firing process of the sidearm and shotgun will be demonstrated.

**Prerequisite(s):** CRIM 1100

### **CRIM 2212 - Deviant Behavior**

Credit Hours: 3

A study of the recognition and handling of abnormal persons with emphasis on those mental conditions most often encountered by the criminal justice practitioner. Methods of crisis intervention, basic conflict management and referral and diversion will also be discussed.

### **CRIM 2226 - Crime Scene Investigation**

Credit Hours: 3

This course will examine all aspects of performing a thorough and methodical crime scene investigation. This course will address a variety of crime scene ranging from crimes of violence to property crime scenes. Various types of physical evidence such as latent prints, trace evidence, biological fluids will be examined. The methods and procedures utilized for the collection of evidence will be demonstrated and examined.

**Prerequisite(s):** CRIM 1100

### **CRIM 2236 - Criminal Investigation**

Credit Hours: 3

This course will survey the fundamental techniques of criminal investigation. Students will be exposed to the history of criminal investigation and criminalistics, interviewing and interrogation, physical evidence, crime scene procedures, crime analysis, investigation techniques, report writing, case preparation and courtroom

testimony.

**Prerequisite(s):** CRIM 1100

**CRIM 2240 - Adjudication Process**

Credit Hours: 3

Topics include the role and structure of prosecution, public defense, and the courts; basic elements of the substantive criminal law and procedural law and its relation to constitutional guarantees.

**Prerequisite(s):** CRIM 1100

**CRIM 2246 - Criminal Evidence**

Credit Hours: 3

This course covers constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; the origin, development, philosophy and constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; and judicial decisions interpreting individual rights and case studies. The primary focus is on the case study approach.

**Prerequisite(s):** CRIM 1100

**CRIM 2250 - Cybercrime**

Credit Hours: 3

This course is an introductory course in cyber-crime and criminal justice. This course will focus on cyber-crime perpetrated via computers and/or other electronic means. This course also addresses the legal issues involved in cyber-crime investigations.

**CRIM 2295 - Ethics in Criminal Justice**

Credit Hours: 3

This course introduces the student to ethical decision making. The student will analyze the major ethical perspectives and then incorporate them into the social and criminal justice context as it relates to law, police, courts, and corrections. The course also addresses the future development of ethics in everyday life.

**CRIM 3302 - Criminal Justice Spanish**

Credit Hours: 3

The need for law enforcement personnel who can communicate in Spanish is ever increasing. The purpose of this course is to introduce and refine skills in Spanish to facilitate communication between criminal

justice personnel and Spanish-speaking clients. In this course students learn and practice survival-level words, phrases, questions and commands necessary to effectively communicate with Spanish speakers in law enforcement and corrections settings.

**CRIM 3304 - The Female Offender**

Credit Hours: 3

Designed to introduce the student to the largest-growing inmate population in the United States. It will introduce the students to the history of women in prison, the profiles of women entering our penal system, and how corrections professionals have responded to the unique needs of women in this male-dominant system. This class also examines the effects on our society of incarcerating females, many of whom are mothers. The course uses a combination of lectures, films, outside readings, and actual visits to facilities housing female inmates.

**Prerequisite(s):** CRIM 2206

**CRIM 3305 - Changing Roles of Women in Criminal Justice**

Credit Hours: 3

The course will examine issues concerning women within the contemporary criminal justice system. Students will explore theories and current research of the historical role of women as practitioners, offenders and victims.

**CRIM 3306 - Scientific Basics of Fingerprints**

Credit Hours: 3

This course will introduce students to the basic fingerprint pattern types and classification formulas: The Henry System and the NCIC classification. Students will receive comparison training, which consists of determining if a current fingerprint submission is Ident with the master fingerprint card, and provide hands-on training in the proper procedures for recording legible fingerprints.

**CRIM 3310 - Comparative Criminal Justice**

Credit Hours: 3

The objective of this course is to provide

materials that will allow students to understand and respect the institutions and procedures of other countries, and to familiarize them with international efforts to control and investigate crime. The study of other countries' criminal justice systems will also provide students with a foundation of knowledge that will lead to an understanding of foreign visitors' and immigrants' world view based on their experiences of criminal justice systems and procedures prior to their arrival in the United States.

### **CRIM 3311 - Juvenile Justice**

Credit Hours: 3

This course addresses definitions of delinquent behavior, contributing social problems, adolescence as a subculture, the philosophy and practice of adjudication process for juveniles and treatment procedures.

### **CRIM 3320 - Criminology**

Credit Hours: 3

The study of deviant behavior as it relates to the definition of crime. Topics include crime statistics theories of crime causation and crime typologies.

**Prerequisite(s):** CRIM 1100

### **CRIM 3325 - Analysis of Security Operations**

Credit Hours: 3

This course is designed to foster an advanced understanding of private and public security. A historical and philosophical perspective will help students better understand risk analysis, physical and procedural controls, intelligence gathering and the principles on which private security is founded. Other current security issues will be addressed.

### **CRIM 3335 - Analysis of Police Operations**

Credit Hours: 3

This is a seminar in major police issues. The topics will vary according to the interests of the instructor and students but will focus on current issues in police operations. Topics may include officer selection and promotion processes, academy and field training, corruption and brutality,

minorities and women in police work, crime prevention, community relations and community policing. The emphasis will be on determining practical and effective policies and procedures.

**Prerequisite(s):** CRIM 1101

### **CRIM 3340 - Criminal Procedure**

Credit Hours: 3

This course will deal with constitutional law relating to the police function. Focus will be on the Fourth, Fifth, Sixth and Fourteenth Amendments, which include reasonable suspicion and probable cause, warrant requirements and exceptions, field stops and interviews, interrogations, right to counsel, pretrial identifications, the exclusionary rule and due process. There will be detailed discussion on the reasons for constitutional protections to engender an understanding of and respect for the rights of all people involved in the criminal justice process.

**Prerequisite(s):** CRIM 1100, CRIM 1101

### **CRIM 3355 - Analysis of Correctional Operations**

Credit Hours: 3

Topics include problems of management in the correctional process; programming, security, information systems, reports, case management and evaluation progress; custody and discipline as they relate to rehabilitative efforts; community adjustment facilities; and problems of probation and parole.

**Prerequisite(s):** CRIM 2206

### **CRIM 3360 - Community-Based Corrections**

Credit Hours: 3

This course is designed to instruct the student in the study of diversion, pretrial release programs, probation, restitution, community service programs, temporary release programs, halfway houses and parole. Emphasis will be placed upon the special problems and needs of females, juveniles and drug-and-alcohol-abusing offenders. The preparation of the pre-sentence investigation report will also be covered.

**Prerequisite(s):** CRIM 2206

**CRIM 3365 - Licit and Illicit Drugs**

Credit Hours: 3

This course is designed to instruct the student in the understanding of street drugs and their effects on the individual. The course will also examine specialized techniques in drug investigation and the legislation that applies directly to the defenses.

**Prerequisite(s):** CRIM 1100

**CRIM 3370 - Economic Crime**

Credit Hours: 3

The course content will provide students with an overview of economic/white-collar crime in America. Students will examine definitional problems, difficulties in establishing the scope and extent of economic crime, theories of causation, law enforcement effectiveness, efforts of technology, and a number of related topics.

**CRIM 3375 - Victimology**

Credit Hours: 3

This course will introduce students to the issues and legislation regarding victims of crime. Topics include theories of victimology, victim-witness compensation and future directions in identifying and treating victims.

**CRIM 3380 - Mock Trial**

Credit Hours: 3

This course is designed to teach students of the American trial process through a participatory study of trial practice in the United States. Students will learn legal ethics and courtroom decorum, substantive law, trial procedures and advocacy skills through practice sessions and courtroom simulation. The development of speaking and critical thinking skills will be a focus of the course. The culminating event for the class will be the trial of a hypothetical case in a courtroom.

**CRIM 3385 - Racial Profiling.**

Credit Hours: 3

In this class students will examine race and bias-based profiling. This course will cover various aspects of such prejudices, and how officers can operate effectively without

being influenced by local prejudices. This course will examine state and federal laws that prohibit racial profiling. In addition, the negative impact of race and bias-based profiling on the community and the police will be examined.

**CRIM 3390 - Forensic Psychology**

Credit Hours: 3

This upper level elective course will introduce students to the interactions between psychology and the law. The course will include coverage of criminal thinking patterns, current and historical issues in adult and adolescent mental health and the law, and relevant case law and legal standards.

**CRIM 3395 - Constitutional Law**

Credit Hours: 3

This course examines the development, interpretation and application of basic principles of constitutional law in the United States. The course will be concerned with the definition, extents and limitations of governmental powers and rights of Americans. Same Course As: POLI 3395

**Prerequisite(s):** POLI 1100

**CRIM 3399 - Special Issues in Criminal Justice**

Credit Hours: 3-12

Forum for special course offerings, focusing upon special issues in criminal justice, by visiting instructors or regular faculty. 3 credit hours, repeatable up to 12 hours

**CRIM 4400 - Research in the Social Sciences**

Credit Hours: 3

Students will explore the interaction of theory, research, and practice; the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. Same Course As: POLI 4400 and NSIS 4400

**Prerequisite(s):** ENGL 1102 Junior or Senior status

**CRIM 4401 - Independent Study**

Credit Hours: 1-12

Students involved in this course will conduct surveys and applied research projects as approved and supervised by a Criminal Justice faculty member. 1 credit hour, repeatable up to 12 hours

**Prerequisite(s):** Junior or Senior status

**CRIM 4401A - Academy Independent Study**

Credit Hours: 3

Students involved in this course will conduct surveys and applied research projects as approved and supervised by a Criminal Justice faculty member. Same Course As: CRIM 4401 Restrictions: Instructor approval; Completion of Policy Academy requirements.

**CRIM 4404 - Civil Liberties in the United States**

Credit Hours: 3

A study of the nature and substance of civil liberties in the United States. The philosophy underlying the Bill of Rights will be analyzed and students will discuss the development of each of the great freedoms protected therein, such as free speech, free press, and free religion among others. Particular attention will be given to how the Supreme Court has interpreted and applied guarantees contained within the Bill of Rights in specific instances. Same Course As: POLI 4404

**Prerequisite(s):** POLI 1100

**CRIM 4405 - Terrorism**

Credit Hours: 3

A course designed to promote understanding of the problem of terrorism and political violence. The course will define terrorism; examine its origins, characteristics, nature and trends; analyze in detail various terrorist organizations and address selected problems in the response to terrorism. (Credit in Criminal Justice or Political Science)

**CRIM 4411 - Internship**

Credit Hours: 3-12

A supervised professional study conducted in the criminal justice field setting. Junior

or Senior status and a 2.5 GPA. 3 credit hours, repeatable up to 12 credit hours

**CRIM 4411A - Academy Internship**

Credit Hours: 12

A supervised professional study conducted in the criminal justice field setting. Junior or Senior status and a 2.5 GPA. Same Course As: CRIM 4411 Restrictions: Admission to CRIM 4411A has a restriction of instructor approval. Instructor approval subject to Police Academy requirements of completing a formal application process that includes (a) an interview; (b) advisor recommendation; (c) satisfactory completion of a section process which includes a criminal history background check, and a medical examination (drug screen, and passing a physical fitness test) for admission into the academy program.

**CRIM 4413 - Inside-Out: Prison Exchange Program**

Credit Hours: 3

The "Inside-Out" Prison Exchange Program is an opportunity for a small group of students from Fairmont State and a group of residents of the Hazelton United States Correctional Complex (HCC) to exchange ideas and perceptions about the correctional system, families, communities, victimization, and prisoner re-entry. It is a chance for participants to gain a deeper assessment of the correctional system through the combining of theoretical knowledge and practical experience achieved by weekly meetings throughout the semester.

**CRIM 4415 - Community Policing**

Credit Hours: 3

This course provides a detailed analysis of community policing, which is the dominant philosophy for providing police services in the twenty-first century. Topics include the history of community policing, definitions of "community," current strategies for the implementation of this philosophy and the impact community policing will have on crime, disorder and fear. Also included in the course will be a thorough description of the new role of a police officer as a Community Policing Officer and the requirements for success.

**Prerequisite(s):** CRIM 1101 Junior or Senior status

**CRIM 4420 - Legal Research**

Credit Hours: 3

This course is designed to introduce students to the process of legal research, and to aid the student in attaining proficiency in finding, interpreting according to established legal principles, and applying the law to a given set of facts and circumstances. The goals of the course will be achieved through successful completion of a series of research projects and assessments of fundamental knowledge.

**Prerequisite(s):** Junior or Senior Status

**CRIM 4425 - Evaluation of the Criminal Justice System**

Credit Hours: 3

*Writing Intensive*

This is the capstone seminar in criminal justice, with a focus on policy analysis. Students in this course will examine controversial criminal justice issues. Topics of study will vary according to the interests of the instructor and students, but may include capital punishment, gun control, drug policy, crime myths, racism and discrimination in the justice process, white collar crime and corruption. Students will be required to write a major research paper.

**Prerequisite(s):** ENGL 1102, CRIM 1100, CRIM 2206 Junior or Senior status

**CRIM 4435 - Intelligence Law**

Credit Hours: 3

This course will explore and examine the U.S. Intelligence Community and the legal framework governing the actions taken by the U.S. government. The course will provide students with an overview of the Intelligence Community and the key legal authorities that support and guide the Intelligence Community. Same Course As: NSIS 4435 and NSIS 4435

**CRIM 4440 - National Security Law**

Credit Hours: 3

This course will explore the distribution of national security powers amongst the three coordinate branches of government -

Legislative, Executive & Judicial and engage students in understanding the laws and policies that govern important critical issues in the national security arena. Same Course As: NSIS 4440 and POLI 4440

**CRIM 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Economics**

**ECON 3310 - Intermediate**

**Macroeconomics**

Credit Hours: 3

This course is designed to extend the student's knowledge of the basic macroeconomic principles. The objective of the course is for students to develop competence in using macroeconomic models to explain the determination of aggregate output, prices, employment, and growth. In addition, students should learn to analyze the impact of monetary and fiscal policy on the macroeconomy.

**Prerequisite(s):** BSBA 2211 and BSBA 2212

**ECON 3340 - Public Economics**

Credit Hours: 3

This course provides students with an introductory understanding of public finance/economics. Students will learn about the economic basis for government activities. Upon successful completion of the course, students should be able to understand: the impact of government expenditures, regulations, taxes, and borrowing on incentives to work, invest,



and spend income.

**Prerequisite(s):** BSBA 2211, BSBA 2212,

### **ECON 3350 - Managerial Economics**

Credit Hours: 3

This course uses a problem-solving approach to demonstrate how economic theory can help managers make good decisions. Successful managers make extensive use of economic tools when making important decisions. They use these tools to produce at minimum cost, to choose and output level to maximize profit, and for many other managerial decisions.

**Prerequisite(s):** BSBA 2211, BSBA 2212

### **ECON 4406 - Guided Economic Study**

Credit Hours: 1-3

Intensive reading, research, and study in current literature and documents in regard to a selected economic problem or group of problems. The field of study will be one in which the student has a special interest. All work will be done individually and the class will be conducted by conferences with each student.

**Prerequisite(s):** Instructor approval required

### **ECON 4410 - Game Theory**

Credit Hours: 3

This course will introduce students to the basic concepts and tools of game theory. Students will learn the fundamentals of game theory starting with basic terms and then will progress from the analysis of simple games to more complex games. Upon successful completion of the course, students should be able to analyze a situation, frame it in terms of the tools discussed, and understand the strategies used in the interaction.

**Prerequisite(s):** BSBA 2211, BSBA 2212

### **ECON 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's

progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Education**

### **EDUC 1103 - College Success**

Credit Hours: 1

Students in the course will gain the knowledge and tools needed to succeed in college. The course will cover learning strategies, executive function skills, and social skills that will help students become independent members of the university community. Additionally, students will develop strong connections with faculty, staff, and other students who will support them throughout their college career.

**Prerequisite(s):** Instructor Approval

### **EDUC 1199 - Special Topics in Education**

Credit Hours: 1-12

The topic to be studied will be determined by the instructor and approved by the Dean of Teacher Education. Credits earned will be applicable as free electives in degree and certificate programs.

### **EDUC 2200 - Introduction to Education**

Credit Hours: 3

This course provides the teacher candidate with an overview of the profession. Its primary purpose is to offer information necessary for an informed career decision and a professional commitment to teaching. It also includes analysis of the historical and sociological bases for programs, instructional strategies and ethical teaching behaviors in American education.

**Corequisite(s):** EDUC 2200L; SOAR 1100 (Education section)

### **EDUC 2200L - Field Experience I**

Credit Hours: 0

A field experience designed to introduce prospective teacher candidates to the teaching profession and the work of educators in the school setting. Teacher

candidates are placed in Professional Development Schools that formally partner with Fairmont State. The experience must total a minimum of 20 clock hours scheduled over at least five (5) days.

### **EDUC 2201 - Instructional Technology**

Credit Hours: 3

Designed to introduce teacher candidates (Pre-K-adult) to computer technology and its applications to the classroom and curriculum. The major focus of the course will be interactive technology via the computer, although other forms of technology will be explored. Special emphasis will be placed on customizing instruction to meet learning styles of a diverse student population and evaluation of current software applications.

### **EDUC 2203 - Human Development, Learning & Teaching**

Credit Hours: 3

This course is an analysis of human development from birth through adolescence. Students will examine the influence of heredity and environment on the development of personality and behavior and their implications for educators.

**Prerequisite(s):** Admission to Teacher Education. PR: EDUC 2200, EDUC 2201

### **EDUC 2226 - Technology in Instruction**

Credit Hours: 3

This course prepares the pre-service teacher to fully plan, implement and evaluate statewide technology plans. Content includes technology standards, resources, and planning; online education and curriculum integration and design.

**Prerequisite(s):** Admission to Teacher Education

### **EDUC 2240 - High Incidence Disabilities for Educators**

Credit Hours: 3

This course is a survey course designed to provide teacher education majors with an understanding of the areas of exceptionality with an emphasis on the inclusion of students with high incidence disabilities such as mild mental impairments, learning disabilities, ADHD,

and behavior disorders in the regular classroom. The historical, philosophical, political and sociological foundations of the education of students with exceptional learning needs will be presented, as well as current best practices and instructional approaches for each of these high incidence categories within the regular classroom. Students will gain an introductory understanding of the role of the regular educator in the IEP process and co-teaching within the inclusive classroom.

**Prerequisite(s):** Admission to Teacher Education. PR: EDUC 2200, EDUC 2201

### **EDUC 2241 - Field Experience 2: The Learner and Learning Environment**

Credit Hours: 1

This field experience will allow preservice teacher candidates the opportunity to reflect on teaching practice within the context of a specific school, community, and classroom setting with an emphasis on individuals with exceptionalities and inclusive practices.

**Prerequisite(s):** Admission into Teacher Education

**Corequisite(s):** EDUC 2240

### **EDUC 2260 - Instructional Design I**

Credit Hours: 3

This course is designed to integrate the theory and practice of how planning, instruction, assessment, and management are synthesized to address Pre K-Adult student learning. Teacher candidates will be provided opportunities to design instructional materials and activities that address differences in learning styles, socio-economic, cultural, and developmental characteristics. The use of media and information technologies to design and deliver instruction that promotes self-direction, problem solving, and collaboration are emphasized. At the end of this course, teacher candidates will understand and apply the learning theories that underpin their instructional choices and understand the importance of using a variety of assessments for learning and of learning. The content of the course is organized to reflect and reinforce the WV Professional Teaching Standards, which are

built on expectations of practice by organizations such as National Board, Charlotte Danielson's Framework for Teaching, CAEP, INTASC, and ISTE standards.

**Prerequisite(s):** Admission to Teacher Education, EDUC 2203 and EDUC 2240

**Corequisite(s):** EDUC 2265

### **EDUC 2261 - Field Experience 3: Learning Context and Teaching**

Credit Hours: 2

This field experience will allow the preservice teacher candidate the opportunity to reflect on teaching practice within the context of a specific school, community, and classroom setting. This is a two-credit course that must be completed as a field experience in a Professional Development/public-school setting.

**Prerequisite(s):** EDUC 2241

**Corequisite(s):** EDUC 2260

### **EDUC 2265 - Field Experience 2**

Credit Hours: 1

This field-based semester long experience must be completed in a Professional Development School /public-school setting. This field experience will allow the teacher candidate the opportunity to apply and reflect on his/her content area as well as pedagogical knowledge, skills, and dispositions in a classroom setting with a certified teacher. This experience will allow for immersion in the learning community so the teacher candidate can demonstrate proficiencies in the role for which s/he is preparing which includes: observing, assisting, tutoring, instructing, collecting and using assessment data to inform teaching decisions in the classroom setting.

**Prerequisite(s):** EDUC 2203 & EDUC 2240

**Corequisite(s):** EDUC 2260

### **EDUC 3330 - The Reading Process**

Credit Hours: 3

*Writing Intensive*

The purpose of this course is to provide preservice teacher candidates with a foundation for effective literacy instruction in K - 3 classrooms. Emphasis will be placed on the essential components of learning to read and write (phonemic

awareness, phonics, oral language development, the reading and writing processes, and fluency). This course also aims to assist preservice teacher candidates develop and demonstrate skills to support the literacy instruction of diverse learners.

**Prerequisite(s):** Admission to Teacher Education. PR: ENGL 1102, EDUC 2240

### **EDUC 3331 - Reading in the Content Areas**

Credit Hours: 3

*Writing Intensive*

This is a reading methods course designed to provide content teachers with background information and instructional competencies necessary for teaching the reading and study skills essential to learning other subjects. This course also provides a rationale and practical applications for integrating instruction in the reading process across all content areas.

**Prerequisite(s):** Admission to Teacher Education. PR: ENGL 1102, EDUC 2240

### **EDUC 3332 - Pedagogy of Literacy (Reading and Language Arts Methods)**

Credit Hours: 3

This course addresses the curriculum, content, methods, and materials of effective literacy and language arts instruction in the elementary classroom. It builds on concepts introduced in The Reading Process (EDUC 3330). This course emphasizes the relationship among the language arts (reading, writing, speaking, listening), particularly in upper elementary grades, and aims to assist preservice teacher candidates in developing and demonstrating skills to support literacy instruction of diverse learners.

**Prerequisite(s):** Admission to Teacher Education and EDUC 3330

**Corequisite(s):** May be taken concurrently with EDUC 3331

### **EDUC 3333 - Assessment and Reading Improvement**

Credit Hours: 3

This course emphasizes the use of various assessments to evaluate students in the five critical areas of reading instruction

(phonemic awareness, phonics, fluency, vocabulary, and comprehension). Utilizing previously learned curriculum, content, methods and materials of effective literacy and language arts instruction in the elementary classroom, candidates will administer assessments, analyze the results, and design a program of study for reading improvement based on the findings.

**Prerequisite(s):** EDUC 3332

**Corequisite(s):** EDUC 3334

**EDUC 3334 - Field Experience 4: Disciplinary Literacy and Assessment**

Credit Hours: 2

This is a two-credit course that must be completed as a field experience in a Professional Development/public-school setting. This field experience will allow the preservice teacher candidate the opportunity to reflect on disciplinary literacy practices and authentic assessments in the teaching of reading, writing, speaking and listening.

**Prerequisite(s):** EDUC 2261

**Corequisite(s):** EDUC 3333 or EDUC 3331

**EDUC 3340 - Instructional Design II**

Credit Hours: 3

This course is designed to prepare teacher candidates to articulate and apply the standards of good assessment, design accurate assessments and be able to communicate results that maximize student learning success. The use of media and information technologies are emphasized to design learning activities/ lesson plans, assessment tools and the management of assessment data. Teacher candidates will understand the importance of using a variety of assessments for learning and of learning. This course integrates theory and practice in designing sequenced learning activities that address differences in learning styles, socioeconomic, cultural, and developmental characteristics from Pre-K to adult student learning. Students will understand the basic tenets of positive intervention and supports in maintaining a safe and orderly classroom. The content of the course is organized to reflect and reinforce the WV Professional Teaching

Standards, which are built on expectations of practice by organizations such as National Board, Charlotte Danielson's Framework for Teaching, CAEP, INTASC, and ISTE standards. Must be taken the semester prior to Student Teaching.

**Prerequisite(s):** EDUC 2260, EDUC 2265

**Corequisite(s):** EDUC 3365, EDUC 3351

**EDUC 3341 - Residency 1: Teaching Practice and Assessment**

Credit Hours: 5

This is a five-credit-hour course that must be completed as a field experience in a Professional Development/public-school setting. The field experience will allow the preservice teacher candidate the opportunity to apply and reflect on his/her content, assessing for learning, professional and pedagogical knowledge, skills and dispositions. In addition, the preservice teacher candidate will be provided with experiences that allow for immersion in the learning community so that s/he is able to demonstrate proficiency in the professional role for which s/he is preparing.

**Prerequisite(s):** EDUC 3334

**Corequisite(s):** EDUC 3340 and EDUC 3351

**EDUC 3350 - Elementary Social Studies Methods**

Credit Hours: 3

This is a methods course in which prospective K-6 teachers translate content specific skills to the developmental levels, intellectual, emotional and social needs and learning styles of students. Activities focus on the acquisition of knowledge, skills, and dispositions through practice in selecting appropriate content, goals, and strategies for K-6 students and designing effective teaching and evaluation procedures.

**Prerequisite(s):** Admission to Teacher Education and EDUC 2260

**EDUC 3351 - Inclusive Classroom Practices for Individual Differences**

Credit Hours: 3

*Writing Intensive*

This course is designed to prepare teacher candidates with a foundation for educating students with special needs in inclusive

public-school settings K-12. It provides information about the spectrum of students: those considered low and high incidence disabilities, those from culturally diverse backgrounds, and those at risk for school failure. It presents strategies for differentiating instruction, instructional adaptations and approaches to responding to students' behavior, and building social relationships. Approaches to analyzing, assessing and evaluating student needs and learning are addressed. Admission to Teacher Education. Must be taken the semester prior to Student Teaching.

**Prerequisite(s):** ENGL 1102, EDUC 2260, EDUC 2265

**Corequisite(s):** EDUC 3340, EDUC 3365

### **EDUC 3365 - Field Experience 3**

Credit Hours: 2

This course builds on cumulative experiences in previous field-based practica and is a semester long experience which must be completed in a Professional Development School/public-school setting. The third clinical experience will allow the teacher candidate the opportunity to apply and reflect on his/her content area as well as pedagogical knowledge, skills, and dispositions in a classroom setting with a certified teacher. This experience will allow for immersion in the learning community so the teacher candidate can demonstrate proficiencies in the role for which s/he is preparing which include: assisting, tutoring, instruction and classroom management. The teacher candidate will identify and develop a focus, review the literature and explore the context for the action research project that will be implemented in the student teaching clinical experience.

**Corequisite(s):** EDUC 3340 & EDUC 3351

### **EDUC 4480 - Teacher Performance Assessment Seminar**

Credit Hours: 2

Earning a grade of C or better, residents/student teachers will analyze their teaching practice through examination of a range of artifacts including videos of their instruction, analysis of student work samples, and tools

they design to engage, support, and assess K-12 students. Throughout this course, residents/student teachers will demonstrate their readiness to teach and adjust their instruction to meet their students' needs and improve student learning. NA When Offered: Fall and Spring Restrictions: Seniors Only

**Prerequisite(s):** EDUC 3341 EDUC 3365

**Corequisite(s):** EDUC 4483 EDUC 4496 EDUC 4484 EDUC 4491

### **EDUC 4483 - Residency 2: Student Teaching for Secondary**

Credit Hours: 10

Full-time involvement in the teaching/learning process in a Professional Development School/public secondary school setting is required for successful completion of this course. Residents will observe, assist, co-teach, co-plan, teach, and manage a classroom under the supervision of a cooperating public-school teacher and university supervisor

**Prerequisite(s):** EDUC 3341

**Corequisite(s):** EDUC 4485 EDUC 4486

### **EDUC 4484 - Residency 2: Student Teaching for Elementary**

Credit Hours: 10

Full-time involvement in the teaching/learning process in a Professional Development School/public elementary school setting at the PreK-4/PreK-6 level is required for successful completion of this course. Residents will observe, assist, co-teach, co-plan, teach, and manage a classroom under the supervision of a cooperating public-school teacher and university supervisor.

**Prerequisite(s):** EDUC 3341

**Corequisite(s):** EDUC 4485 and EDUC 4486

### **EDUC 4485 - Action Research**

Credit Hours: 1

This course is taken concurrently with student teaching and involves completion of a capstone action research project to document impact on student learning. During this course, candidates will finalize a proposal for their project and implement their approved action research in the public-school setting. At the completion of implementation, the teacher candidate will

provide a final comprehensive analysis of the data, write and submit final reports, and prepare and present a professional presentation of the project to peers and faculty. It serves as the Teacher Performance Assessment required for certification and licensure.

**Prerequisite(s):** EDUC 3365

**Corequisite(s):** EDUC 4491 or EDUC 4496, and EDUC 4486

### **EDUC 4486 - Portfolio**

Credit Hours: 1

This course is taken concurrently with student teaching and consists of creating a five-part portfolio which showcases the students' best work based on the WV Teaching Standards. There is an emphasis on authentic artifacts that show evidence that the student can collect and select standard-based artifacts, and reflect on his/her professional growth in order to improve teaching practice and student learning. The teacher candidates will present the portfolio to peers and faculty.

**Prerequisite(s):** EDUC 3365

**Corequisite(s):** EDUC 4491 or EDUC 4496, and EDUC 4485

### **EDUC 4491 - Elementary Student Teaching**

Credit Hours: 10

Full-time involvement in the teaching/learning process in a Professional Development School/public elementary school setting at the PreK-4/PreK-6 level is required for successful completion of this course. Student teachers will observe, assist, teach and manage a classroom under the supervision of a host public-school teacher and college liaison.

**Prerequisite(s):** EDUC 3365

**Corequisite(s):** EDUC 4485 & EDUC 4486

### **EDUC 4496 - Secondary Student Teaching**

Credit Hours: 10

Full-time involvement in the teaching/learning process in a Professional Development School/public-school setting at the PreK-Adult level is required for successful completion of this course. Student teachers will observe, assist, teach and manage a classroom under the

supervision of a host public-school teacher and college liaison.

**Prerequisite(s):** EDUC 3365

**Corequisite(s):** EDUC 4485 & EDUC 4486

## **Electronics Engineering Technology**

### **ELEC 1100 - Circuit Analysis I**

Credit Hours: 3

Introduction to the concepts of voltage, current, resistance, capacitance and inductance. Also, covered are Kirchoff's Laws, with applications in basic DC-AC, series-parallel circuits. Basic electromechanical devices and transformers and three phase electrical circuits are studied.

### **ELEC 1120 - AC/DC Electronics Analysis**

Credit Hours: 3

This course introduces students to the concepts of measuring voltage, current, and resistance of various ac and dc circuits. Students will build electronic circuits on a breadboard using discrete and integrated circuit components. The student will be introduced to electronic instruments, such as the digital multimeter, oscilloscope, function generator, and power supplies utilized extensively in a lab setting. The student will learn how to use simulation software and make comparisons between theoretical and real-world results.

### **ELEC 1199 - Special Topics in Electronics Engineering Technology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

### **ELEC 2200 - Shop Practices**

Credit Hours: 3

The student will learn to breadboard fundamental circuits, which is a building block for all subsequent lab-based courses. Breadboarding will be accompanied with voltage, current, resistance measurements using a multimeter. An introduction to oscilloscopes and function generators is also included. Note: Extra costs are associated with this course, as the student

will be purchasing equipment that will be used in several subsequent courses.

### **ELEC 2210 - Circuit Analysis II**

Credit Hours: 3

Continuation of ELEC 1100, including the theory and application of circuit analysis theorems. Also covered are non-sinusoidal waveforms, three-phase circuits and the use of computers in solving problems.

**Prerequisite(s):** ELEC 1100

### **ELEC 2225 - Electronic Devices**

Credit Hours: 3

Devices studied will include diodes, transistors, Op Amps, PLL's, and timers. The circuitry studied will include power supplies, basic amplifier types, power amplifiers, switching circuits, voltage regulators, comparators and active filters.

**Prerequisite(s):** ELEC 1100

### **ELEC 2230 - Digital Electronics**

Credit Hours: 3

Theory and experimentation with SSI, MSI, and LSI devices and systems, including gates, flip-flops, counters, decoders, timers, displays, memories, etc., and such systems as thermometers, tachometers, meters, etc.

**Prerequisite(s):** ELEC 1100

### **ELEC 2240 - Industrial Electronics**

Credit Hours: 3

Study of the operation of industrial power control systems, including power devices and control circuits. Power devices covered include relays, contactors, transistors, SCRs and TRIACs. Control circuits include UJTs, PUTs, DIACs, photo-devices, timers and control ICs.

**Prerequisite(s):** ELEC 2225

### **ELEC 2250 - AC-DC Machinery and Controls**

Credit Hours: 3

Practical aspects in the use and maintenance of AC-DC machinery and power distribution, including motors, generators, starters, speed controllers, breakers, transformers, etc.

**Prerequisite(s):** ELEC 1100

### **ELEC 2260 - Communication Systems**

Credit Hours: 3

Theory, operation, and maintenance of AVMA, FM, PM and digital communications systems.

**Prerequisite(s):** ELEC 2225

### **ELEC 2270 - Microcomputers**

Credit Hours: 3

Project-based learning using a multi-core microcontroller with A/D and D/A converters utilized and integrating an array of sensors, control high-speed stepper motors, and program a mini robot to navigate autonomously.

**Prerequisite(s):** ELEC 1100

### **ELEC 2280 - Programmable Controllers**

Credit Hours: 3

An introduction to programmable controllers and their application to sequential process control. Topics include basic operating characteristics, relays, timers, counters, sequencers, editing and online data control. Practical laboratory experiences will be provided in controller applications, programming, installation and maintenance.

**Prerequisite(s):** ELEC 2230

### **ELEC 3300 - Advanced Linear Electronics**

Credit Hours: 3

A study of linear devices including OP AMPS, comparators, timers, filters, voltage references and current references. The course will include analysis and design concepts covering a wide range of linear circuits. This course satisfies the general studies "teamwork" requirement.

**Prerequisite(s):** ELEC 2230

### **ELEC 3310 - Advanced Microcomputer Systems**

Credit Hours: 3

This course is a continuation of ELEC 2270 utilizing multiple microcontrollers. The student will develop a combination of hardware/software skills and problem-solving abilities to create, control and monitor various systems.

**Prerequisite(s):** ELEC 2270

### **ELEC 3360 - Communication Systems**

Credit Hours: 3

Covers the elementary electronic

communication concepts such as AM, FM, and digital modulation for radio and TV applications. Discusses the theory and operation of modern communication techniques including multiplexing, spread spectrum, wired and wireless networks, satellite communications, telemetry, and Internet.

**Prerequisite(s):** ELEC 2240

#### **ELEC 4401 - Senior Electronics Project I**

Credit Hours: 4

Instructor-approved capstone project. This course will allow the student to pursue specialized interests and show that s/he can manage and complete an individual project. This is a two-course sequence (along with ELEC 4402) where the student will select a project with faculty approval; design the project, and perform preliminary testing of the project. Project management techniques will be utilized throughout the course. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** ELEC 3310

#### **ELEC 4402 - Senior Electronics Project II**

Credit Hours: 3

*Writing Intensive*

This is a Writing Intensive Course coordinated with the technical development within ELEC 4401. While completing ELEC 4401 capstone project; students will demonstrate, prepare and deliver an oral presentation, and submit a final report and presentation.

**Prerequisite(s):** ELEC 3310

#### **ELEC 4410 - Data Acquisition and Control Systems**

Credit Hours: 4

Theory and use of data acquisition and control systems, including transducers, signal conditioning circuits, multiplexing, A/D and D/A converters, computers and control devices. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** ELEC 3300

#### **ELEC 4420 - Advanced Automation Controller Systems**

Credit Hours: 3

Advanced Programmable Logic Controller

Course where the student will complete detailed applications for Allen-Bradley and Siemens PLC-HMI systems. This course is a combination of lecture and lab exercises to develop practical automation design applications.

**Prerequisite(s):** ELEC 2280

#### **ELEC 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue.

**Prerequisite(s):** Instructor approval required

#### **English**

##### **ENGL 1101 - Written English I**

Credit Hours: 3-4

This course offers process-oriented practice in drafting, revising, and editing texts. Students learn the principles of expository writing, thesis formulation, organization, paragraph development, audience analysis, appropriate diction, and sentence structure. The course also includes an introduction to reading for content in texts selected from across the disciplines. Following WV state mandates, students scoring below 18 on the English section of the ACT, 480 on the Critical Reading and Writing section of the SAT (since 2016), or 5 on the WritePlacer of ACCUPLACER, or the equivalent will be required to take an additional credit hour of supplemental instruction in English 1101, which will reinforce the skills necessary to generate college level essays. A "C" in English 1101 is a graduation requirement for all degrees. Course is transferable as general studies credit to all other state institutions of higher education



in West Virginia for credit with the grade earned.

Transferable General Studies Course  
^ENGL 1101 ~

### **ENGL 1102 - Written English II**

Credit Hours: 3

A continuation of Written English I that provides experience in analyzing and writing argument and persuasive prose. A central feature of the course is a library research project that is intended to develop familiarity with reference sources and skill in summarizing the diverse points of view of multiple sources. A "C" in English 1102 or English 1103, as determined by the academic department, is a graduation requirement for all degrees. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** A C or better in ENGL 1101  
Transferable General Studies Course  
^ENGL 1102~

### **ENGL 1103 - Technical Report Writing**

Credit Hours: 3

This course provides practice in writing expository documents and technical reports. In addition to scientific/technical reports and proposals, students also write business letters, memoranda, and other types of written communication common to the industrial and business worlds. A "C" in English 1102 is a graduation requirement for all degrees.

**Prerequisite(s):** A C or better in ENGL 1101

### **ENGL 2007 - Shakespeare Road Trip**

Credit Hours: 1

The Shakespeare Road Trip provides students with a critical introduction to productions of plays by Shakespeare and others. Fees for tickets and travel expenses will apply. This course may be repeated for credit

**Prerequisite(s):** ENGL 1102

### **ENGL 2220 - World Literature I: Origins to 1650**

Credit Hours: 3

A survey of literary masterpieces from around the world. Readings will include

religious texts (such as the Bible, the Koran and the writings of Confucius); the epic (Gilgamesh, Homer and Dante); poetry (Li Po, Ovid and Petrarch); drama (Sophocles, Shakespeare and non-Western traditions such as Japanese Noh theater); and narrative fiction (tales from The Thousand and One Nights, The Tale of Genji and Don Quixote). Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** ENGL 1102 or ENGL 1103  
Transferable General Studies Course  
ENGL 2220~%

### **ENGL 2221 - World Literature II: 1650 to the Present**

Credit Hours: 3

English 2221 offers a study in literary masterpieces, some in translation, from around the world, including satire (works by authors such as Moliere, Swift and Voltaire); drama (K'ung Shan-Jen, Ibsen, Chekhov, and Al-Hakim); poetry (Basho, Keats, Dickinson, and Eliot); the short story (Flaubert, Ichiyo, Lu Xun, and Gordimer); and the novel (Yasunari, Achebe and Desai). Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** ENGL 1101 ENGL 1102  
Transferable General Studies Course  
ENGL 2221~%

### **ENGL 2240 - Introduction to Literature: Prose, Poetry, and Drama**

Credit Hours: 3

A survey of representative works in prose, poetry, and drama, accomplished through close reading, discussion, and written response.

**Prerequisite(s):** ENGL 1102 or ENGL 1103

### **ENGL 2251 - Introduction to Literary Studies**

Credit Hours: 3

An introduction to the formal study of literature focusing on reading and interpretation of texts from a variety of analytical approaches. The course highlights the wide range of literary critical methodologies and challenges students to

articulate and reflect upon their own critical assumptions. When Offered: Offered in the fall only

**ENGL 3301 - Theories of Language and their Application to English I**

Credit Hours: 3

This course covers the linguistic subjects of syntax, morphology, phonology, semantics and pragmatics, which provide concepts and techniques for understanding languages, with special emphasis upon English. Topics will include descriptive versus prescriptive grammar, dialect and register, synchronic and diachronic language variation, the history of English, language acquisition, the leading theories of language, language theory and the art of composition. Required of all prospective teachers of English; to be taken before Clinical III.

**Prerequisite(s):** ENGL 1102

**ENGL 3302 - Theories of Language and their Application to English II**

Credit Hours: 3

Continuation of ENGL 3301, emphasizing practical applications to teaching writing and grammar in grades 5-12. Required of all prospective teachers of English; to be taken before Clinical III.

**Prerequisite(s):** ENGL 3301

**ENGL 3303 - Survey of Amer Lit I: Beginnings to the 1850s**

Credit Hours: 3

*Writing Intensive*

A study of American literary traditions, from the poets, diarists and chroniclers of the seventeenth and eighteenth centuries to the writers of imaginative and autobiographical prose and poetry of the early/mid 1800s.

**Prerequisite(s):** PR: ENGL 2220 or ENGL 2221

**ENGL 3304 - Survey of Amer Lit II: The 1850s to the Present**

Credit Hours: 3

*Writing Intensive*

A study of America's literary traditions from the 1850s to the present, including the poets, "local color" writers, naturalists and realists of the late 1800s; the experimental

poetry and fiction of the early 1900s; the major dramatists; and a large sampling of the writers from the last half of the century.

**Prerequisite(s):** PR: ENGL 2221 or ENGL 2220

**ENGL 3313 - Survey of British Literature I.**

Credit Hours: 3

*Writing Intensive*

This course offers a study of British literature beginning with Beowulf and continuing through the eighteenth century, including Chaucer, Shakespeare, Donne, Milton, Swift, and Pope. Recent recovery of female writers such as Lanyer, Cavendish, Whitney, and Behn and scholarship on them is also reflected in the design of the course.

**Prerequisite(s):** PR: English 2220 or ENGL 2221

**ENGL 3314 - Survey of British Literature II**

Credit Hours: 3

*Writing Intensive*

This course offers a study of British literature from the early Romantic period through the present day, including such writers as Blake, Wordsworth, Austen, Tennyson, Dickens, Yeats, Shaw, Woolf, Joyce, Eliot, Beckett, and Auden. The purpose of this course is to give students an overview of the major literary and historical movements in Britain and its colonies in the last two hundred years, while introducing students to a basic vocabulary of literary terms and critical theory.

**Prerequisite(s):** PR: ENGL 2220 or English 2221

**ENGL 3320 - Literary Criticism**

Credit Hours: 3

A study of past and present critical methods and of the theoretical assumptions upon which they are based.

**Prerequisite(s):** ENGL 3303 or ENGL 3313

**ENGL 3332 - Narrative and Descriptive Writing**

Credit Hours: 3

*Writing Intensive*

Narrative and Descriptive Writing provides

intensive practice in narrative and descriptive techniques in fictional, non-fictional, dramatic and poetic modes of writing. Utilizing a workshop format promotes reciprocity in the classroom between professor and students and among students. The course does not require experience in writing creatively but rather provides instruction and practice in the craft of writing. Students work in several creative modes for different audiences and purposes.

**Prerequisite(s):** ENGL 1102

### **ENGL 3333 - Writing Non-Fiction**

Credit Hours: 3

*Writing Intensive*

Study and practice of the various kinds of expository writing.

**Prerequisite(s):** ENGL 1102

### **ENGL 3344 - Writing Poetry**

Credit Hours: 3

*Writing Intensive*

A workshop-based, individual-centered course in which students examine the tradition of poetry and poetics and how their own interest in writing poems may work within and against that tradition. The emphasis is on writing, revising and presenting poems in workshop format and potentially professionally. Students will also read and respond to modern poems and essays on poetics. Students are advised to first take ENGL 3332.

**Prerequisite(s):** ENGL 1102

### **ENGL 3345 - Writing Fiction**

Credit Hours: 3

*Writing Intensive*

A workshop-based, individual-centered course in which students examine the tradition of fiction and how their own interest in writing stories may work within and against that tradition. The emphasis is on writing, revising and presenting stories in workshop format and potentially professionally. Students will also read and respond to modern stories and essays on fiction. Students are advised to first take ENGL 3332.

**Prerequisite(s):** ENGL 1102

### **ENGL 3349 - Advanced Technical Communication**

Credit Hours: 3

*Writing Intensive*

This course places special emphasis on the preparation and implementation of the extensive, formal report in business, industry and public service organizations. As such, it will feature an introduction and orientation to source materials for advanced technical research and presentation, and it will also address the use of technical language for informed and uninformed audiences.

**Prerequisite(s):** ENGL 1102 or ENGL 1103

### **ENGL 3354 - Children's Literature**

Credit Hours: 3

This course seeks to acquaint students with a number of major works in the field of children's literature, while providing approaches to appreciate and evaluate such texts. When Offered: Offered Fall semester only

**Prerequisite(s):** ENGL 1101

### **ENGL 3355 - Young Adult Literature**

Credit Hours: 3

This course seeks to acquaint students with a number of major works in the field of young adult literature, while providing approaches to appreciate and evaluate such texts.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3356 - Fantasy, Science Fiction, and Magical Realism**

Credit Hours: 3

This course seeks to acquaint students with a number of major works of highly imaginative literature by such writers as George MacDonald, J.R.R. Tolkien, H. P. Lovecraft, Angela Carter, Ray Bradbury, Philip K. Dick, Franz Kafka, Gabriel Marquez, Salman Rushdie, and Jorge Luis Borges. While providing approaches to appreciate and evaluate such texts, the course will also address cultural/literary assumptions about the value of fantasy, both in fiction and in human development.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

**ENGL 3361 - American Romanticism**

Credit Hours: 3

This course studies the works of three or four writers most closely associated with nineteenth-century American Romanticism. Among the writers who may be chosen for study are Irving, Poe, Hawthorne, Emerson, Thoreau, Melville, Whitman, and Dickinson.

**Prerequisite(s):** ENGL 3303

**ENGL 3362 - American Realism and Naturalism**

Credit Hours: 3

This course offers a study of the work of four or five realist and naturalist writers and the intellectual and historical context in which they worked. Such writers may include James, Twain, Crane, Dreiser, Norris, Howells, Cather, Wharton, Chopin, Jewett, and Garland.

**Prerequisite(s):** ENGL 3304

**ENGL 3363 - The American Novel**

Credit Hours: 3

This course traces the development of the American novel from the late eighteenth century to the present. Important American novels will be analyzed in a chronological sequence.

**Prerequisite(s):** ENGL 3304 or ENGL 3304

**ENGL 3364 - Appalachian Literature**

Credit Hours: 3

This course identifies and analyzes representative examples of writers and their literature (poetry and prose) that have grown out of the Appalachian Region. Major emphasis is placed on the cultural, historical, geographical, and social elements that have influenced the themes and points of view of the literature. Selected nonprint (film) interpretations of both the region and its literature are a part of the course content and serve as important learning strategies for projecting the tone and atmosphere of the region and in establishing, and reinforcing, its stereotypes and imagery both inside and outside the region.

**Prerequisite(s):** ENGL 2221

**ENGL 3365 - American Modernism**

Credit Hours: 3

This course will examine the artistic and

literary movements in the early 20th century that continue to shape ideas of literature, reading, art, and taste. With attention to the avant-garde, readings will include high-modernists like Eliot, Hemingway, and Pound, as well as those writers less obviously participating in the aesthetic directives posed by the era.

**Prerequisite(s):** ENGL 3304

**ENGL 3366 - Contemporary Literature**

Credit Hours: 3

This course examines the ways in which visual and written texts have illustrated shifts in political and linguistic thought since midcentury. Students will need patience and a good sense of humor and must be prepared to encounter assaults to their most precious assumptions with an open mind. The graphic novel, performance art, experimental poetry, and other hybrid texts will be studied alongside familiar literary forms revised for current concerns.

**Prerequisite(s):** ENGL 3304 or ENGL 3314

**ENGL 3370 - Literature of the Middle Ages**

Credit Hours: 3

This course presents a study of English and continental European literature of the Middle Ages. Genres covered include the chronicle, romance, fabliau, beast fable, lyric, saint's legend and drama.

**Prerequisite(s):** ENGL 3313

**ENGL 3373 - Chaucer**

Credit Hours: 3

Our primary objective is to read and understand Chaucer's *Canterbury Tales* in the language in which he wrote. We will learn a bit about the Middle Ages in general, and we will learn that the study of a great medieval poet may teach us something about ourselves.

**Prerequisite(s):** ENGL 3313

**ENGL 3374 - Shakespeare**

Credit Hours: 3

*Writing Intensive*

A study of Shakespeare's poetry and plays.

**Prerequisite(s):** PR: ENGL 3313 or ENGL 3314

**ENGL 3375 - Later Renaissance British Literature**

Credit Hours: 3

A study of British literature and culture during a century of great change. From the death of Elizabeth I to the Civil War, from the Interregnum to the Restoration, from England's national boundaries to its explorations and colonialist origins, we will survey poets, their protgs, and their subjects; the drama as it shifts from court masque to city comedy, from boys playing women to women taking to the stage and writing for the stage; the rise of women taking up the pen in support of their faith, their families, and themselves. Our major figure for the period is John Milton.

**Prerequisite(s):** ENGL 3313

**ENGL 3377 - Literature of the Enlightenment**

Credit Hours: 3

This course examines social and intellectual developments of the European Enlightenment through writers representing the perspectives of both the "Ancients" (such as Dryden, Behn, Pope, and Swift) and the "Moderns" (such as Congreve, Defoe, Haywood, and Voltaire).

**Prerequisite(s):** ENGL 3313

**ENGL 3378 - British Romanticism**

Credit Hours: 3

A concentrated study of the works of such writers as Blake, Wordsworth, Coleridge, Byron, Shelley and Keats.

**Prerequisite(s):** ENGL 3314

**ENGL 3379 - Literature of the Victorian Period**

Credit Hours: 3

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin and Carlyle.

**Prerequisite(s):** ENGL 3314

**ENGL 3380 - Twentieth-Century British Literature**

Credit Hours: 3

A study of the major texts in 20th-century British literature that reflect the cultural, social and literary issues of the time. Among the writers who may be studied are

poets, from Yeats and Eliot to Heaney and Larkin, playwrights such as Beckett and Stoppard and fiction writers, from Joyce and Waugh to Fowles and Drabble.

**Prerequisite(s):** ENGL 3314

**ENGL 3381 - The British Novel**

Credit Hours: 3

A historical and critical study of significant British novels of the eighteenth, nineteenth, and twentieth centuries.

**Prerequisite(s):** ENGL 3313 or ENGL 3314

**ENGL 3382 - The World Novel**

Credit Hours: 3

This course offers a study of the enduring accomplishments of the novelists of Europe, Latin America, and other regions. Novels to be read may include those of Cervantes in the 1600s; Voltaire and Goethe in the 1700s, Flaubert, Tolstoy, and Dostoevsky in the 1800s; and Kafka, Camus, Kundera, and Marquez in the 1900s.

**Prerequisite(s):** ENGL 2220

**ENGL 3383 - Epic Tradition**

Credit Hours: 3

In this course we will study the evolving epic tradition, covering 4000+ years of history, and draw our reading selections from a wide range of places, cultures, and perspectives. Our focus will be on the canonical western tradition (Homer, Virgil, Milton, et. al.) but we will also make forays into the literatures of the Near East, India, and Africa.

**Prerequisite(s):** ENGL 2220 or ENGL 2221

**ENGL 3385 - The Arthurian Tradition**

Credit Hours: 3

This course surveys Arthurian literature from its 12th-century origins to the present day. It will include analysis of the archaeological evidence for a historical Arthur, as well as the Celtic background from which the legends spring.

**Prerequisite(s):** ENGL 1102

**ENGL 3386 - The Bible as Literature**

Credit Hours: 3

This course focuses on the literary history, interpretation and genres of the Bible, as well as significant biblical tropes,

metaphors and narratives.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3387 - Folk Literature**

Credit Hours: 3

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accents, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifying). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Same Course As: FOLK 3300

**Prerequisite(s):** ENGL 2220

### **ENGL 3388 - Women's Literature**

Credit Hours: 3

A study of classic texts in women's literature, including works by writers such as Aphra Behn, Jane Austen, Kate Chopin, Virginia Woolf, and Amy Lowell. Students will also study works by contemporary female writers, representing American, British, and other world literatures.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3389 - Minority Literature**

Credit Hours: 3

A study of writers and forms traditionally omitted from the American literary canon, this course tracks the writing of people unacknowledged by conventional versions of American history with attention to their experimentation with literary genre and disciplinary boundaries.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3390 - Modern Drama**

Credit Hours: 3

This course examines world drama from the nineteenth-century to the present.

**Prerequisite(s):** ENGL 2221

### **ENGL 3391 - The Short Story**

Credit Hours: 3

This course offers a critical study of this art form based upon the work of authors from around the world. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** ENGL 2221

Transferable General Studies Course

### **ENGL 3392 - Contemporary Poetry**

Credit Hours: 3

This course focuses on roughly ten poets from around the world whose works have been published in the last thirty years. Discussions of poetic movements and strategies shaped by and influencing the writers and their audiences accompany study of the primary texts.

**Prerequisite(s):** ENGL 2221

### **ENGL 3393 - Southern Literature**

Credit Hours: 3

This course offers a study of representative Southern authors and works from colonial times to the present, emphasizing characteristically Southern themes and the diverse points of view that have made up the American South, including those of women, African-Americans, and other minorities. The experience of defeat and experience of colonization are studied. Included are such figures as Harris, Chesnut, Twain, Chopin, Hurston, Toomer, Wolfe, Faulkner, Welty, Ransom, and O'Connor.

**Prerequisite(s):** ENGL 3303 or ENGL 3304

### **ENGL 3394 - The Art of the Motion Picture**

Credit Hours: 3

A course designed to trace the evolution of the motion picture from its beginnings to the achievements of the present. Such aspects of the film as genre (the western, the horror film), techniques (sound, editing, photography), themes (forbidden knowledge, vengeance), and character types (cops, comics, crooks) will be considered. Although this course is intended for serious students of the verbal and visual arts, it is also designed to accommodate (as an elective) interested

students who are avid filmgoers and desire to improve their appreciation of the films they see.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3395 - Journeys in Comparative Mythology**

Credit Hours: 3

A cross-cultural study of cosmic myth, investigating explanations offered by various peoples to questions that have been asked since the dawn of time. The course includes mythological traditions such as Greco-Roman, Norse, Mesopotamian, African, Celtic, Indian, Chinese, South American and Native American.

**Prerequisite(s):** ENGL 2220

### **ENGL 3396 - Literature and Film**

Credit Hours: 3

By comparing literary texts to cinematic versions of those texts, this class explores the differences between the modes of verbal and visual representation. The selection of texts will focus on an author or theme selected by the professor, such as Shakespeare, Jane Austen, London, the Western Hero, or Desiring Women.

**Prerequisite(s):** ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231

### **ENGL 3399 - Special Topics in English**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** ENGL 1102

### **ENGL 4400 - Senior Seminar**

Credit Hours: 3

This advanced course will introduce English majors to the rigors of graduate-level work. The subject matter, which will vary, will be tightly focused on a specific area of study. Students will use advanced research skills and demonstrate a thorough understanding of the relevant scholarship in the field. Because the subject matter will change from semester to semester, this

course may be taken more than once.

**Prerequisite(s):** ENGL 3320

### **ENGL 4401 - Creative Writing Capstone**

Credit Hours: 3

Students will read, reflect upon, and discuss works by diverse writers in poetry or prose along with higher-level craft articles, with an emphasis on reading as writers. Students will also write in their chosen genre and in criticism.

**Prerequisite(s):** Instructor Permission

### **ENGL 4431 - Methods and Materials in Teaching English**

Credit Hours: 3

Study and practice in the techniques of teaching the fundamentals of grammar, mechanics, composition and the varied types of literature; taken as part of the Initial Performance Practicum.

**Prerequisite(s):** ENGL 3355 and ENGL 3374

### **ENGL 4441 - Independent Study**

Credit Hours: 1-4

Intensive study in the work of one or more significant authors. Subject area to be suggested by the student and approved by the instructor. The student may conduct an independent investigation in an area of interest and represent the results in one or more research papers.

**Prerequisite(s):** Instructor approval required

### **ENGL 4489 - Writing for Literary Conferences**

Credit Hours: 1

This course prepares students for presenting their literary papers at academic conferences.

**Prerequisite(s):** Instructor approval required

### **ENGL 4491 - Writing Internship**

Credit Hours: 3

Writing internships allow students to apply their communication (verbal and written) and critical thinking skills in writing for business and non-profit organizations. This course may be repeated for credit

**Prerequisite(s):** A GPA of 3.25 and completion of 18 hours toward the English major are required. Instructor approval required

**ENGL 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. This course may be repeated for credit Restrictions:

Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**English as a Second Language**

\*Registration restricted to ESL students only.

**ESLG 0051 - Elementary Academic Reading**

Credit Hours: 3

In the class, students develop and practice it in context. Reading as a central means of processing forms and ideas will help establish academic skills of critical thinking in English. The skills of prediction, the comprehension of main ideas and details, and the importance of inferences are all required. In addition, students will become familiar with parts of speech, prefixes, suffixes, and roots as aids in understanding new vocabulary. Repeatable

**ESLG 0052 - Elementary Composition**

Credit Hours: 3

Students develop sentence, paragraph, and essay writing skills. Students focus on learning grammatical structures and use this knowledge within the writing context. Students also develop strategies to improve their organizational skills and to expand and practice new vocabulary. Repeatable

**ESLG 0053 - Elementary Speaking and Listening**

Credit Hours: 3

This course introduces international students to a variety of speaking and listening exercises that will improve their academic success in the university setting. Each week, a new topic or subject will be introduced and discussed informally in a classroom discussion. Every two weeks, students will be assigned additional speaking assignments to continue more-in-depth formal discussions or presentations on the assigned topics. Repeatable

**ESLG 0054 - Elementary Grammar Studies**

Credit Hours: 3

This is a beginning level content-based grammar course designed for students who are preparing to enter American colleges and universities. The class will focus on improving English grammar through listening, speaking, reading, and writing activities. Additionally, some emphasis will be placed on Test of English as a Foreign Language (TOEFL) grammar. Repeatable

**ESLG 0055 - Elementary Vocabulary and Pronunciation**

Credit Hours: 3

This course focuses on the ability to express oneself clearly, with maximum comprehensibility. Students practice the important skills of pronunciation stress, vowel reduction, length, phonetics, rhythm, timing, and intonation. Vocabulary development, facility with idiomatic expressions, and thematic coherence are emphasized. Each participant's particular needs are evaluated regularly as part of the course, and strategies for improvement are provided through daily assignments, drills, presentations, listening practice, discussion, and peer-evaluations. Repeatable

**ESLG 0056 - Elementary TOEFL Strategies**

Credit Hours: 3

This course provides international students with a better grasp of English to help them succeed in the TOEFL. The course focuses on techniques related to various sections of the TOEFL. The class aims to prepare for



the test so that they will have language skills and the familiarity with the university setting to be successful at the University.

### **ESLG 0057 - Elementary American Culture**

Credit Hours: 3

This course assists new and experienced ESL students in achieving a positive experience of study in a new culture. Class topics in American culture focus on the practical aspects of day-to-day life in the United States. Repeatable

### **ESLG 0061 - Intermediate Academic Reading**

Credit Hours: 3

Students develop skills in prediction, comprehension of main ideas and details, and inferences. Reading comprehension activities include, in addition to writing and texts, independent, small-group, and whole class activities. Both short reading passages and more extensive texts, such as abridged novels, provide sustained practice and content. Repeatable

**Prerequisite(s):** ESLG 0051

### **ESLG 0062 - Intermediate Composition**

Credit Hours: 3

Students develop sentence, paragraph, and essay writing skills necessary to write a coherent effective academic essay. These skills include the development of organization skills, expansion of vocabulary, and grammatical structures. Students will be assigned in-class and out-of-class reading and writing activities. Repeatable

**Prerequisite(s):** ESLG 0052

### **ESLG 0063 - Intermediate Speaking and Listening**

Credit Hours: 3

This course builds on ESLG 0053 to help students improve their speaking and listening abilities in English. The course continues the informal discussion of topics and the speaking assignments students were introduced to in ESLG 0053. Repeatable

**Prerequisite(s)** ESLG 0053

### **ESLG 0064 - Intermediate Grammar Studies**

Credit Hours: 3

This content-based grammar course, designed for students who are preparing to enter American colleges and universities, builds on ESLG 0054. The class centers on deepening students' grasp of English grammar through listening, speaking, reading, and writing activities. Students are introduced to complexity, such as the perfect tenses. Additionally, students focus on TOEFL grammar. Repeatable

Repeatable

**Prerequisite(s):** ESLG 0054

### **ESLG 0065 - Intermediate Vocabulary and Pronunciation**

Credit Hours: 3

This course develops the spoken communication skills necessary for college-level study. Students improve the important skills of pronunciation - stress, vowel reduction, length, phonetics, rhythm, timing, and intonation. Vocabulary studies build upon those from ESLG 0055.

Speaking topics are designed to allow students to apply the content, language, grammar, and style they have practiced in their texts and cassettes. Repeatable

**Prerequisite(s):** ESLG 0055

### **ESLG 0066 - Intermediate TOEFL Strategies**

Credit Hours: 3

This course continues the building of skills begun in ESLG 0056 to prepare international students for TOEFL. The course strengthens the techniques students learned in ESLG 0056 for TOEFL. The class aims to consolidate students' language skills so that they will be successful at the University. Repeatable

**Prerequisite(s):** ESLG 0056

### **ESLG 0067 - Intermediate American Culture**

Credit Hours: 3

This course builds on ESLG 0057 to help new and experienced ESL students become more comfortable with American culture focus. Topics focus on the psychosocial aspects of coping with a new

culture and language. Repeatable  
**Prerequisite(s):** ESLG 0057

### **ESLG 0071 - Advanced Academic Reading**

Credit Hours: 3

Students learn the skills necessary to comprehend academic texts, news articles, and essays. They also read two full-length novels for sustained practice and development. Discussions, vocabulary dynamics and writing develop skills in: the comprehension of main ideas, details, and inferences. Repeatable

**Prerequisite(s):** ESLG 0061

### **ESLG 0072 - Advanced Composition**

Credit Hours: 3

This is a continuation of ESLG 0062. The course covers all aspects of subordination for improved clarity of ideas and stylistic variation in writing. The course includes an introduction to research and documentation. Students are encouraged to bring to class for "workshopping" specific problems in writing from other courses. Repeatable

**Prerequisite(s):** ESLG 0062

### **ESLG 0073 - Advanced Speaking and Listening**

Credit Hours: 3

This course reinforces the speaking and listening skills students developed in ESLG 0063. The course aims to have international students ready to participate in college-level courses with native speakers of English. Repeatable

**Prerequisite(s):** ESLG 0063

### **ESLG 0074 - Advanced Grammar Studies**

Credit Hours: 3

This content-based grammar course, designed for students who are preparing to enter American colleges and universities, completes the ESL grammar sequence. The class strengthens students' grasp of English grammar through listening, speaking, reading, and writing activities. The course reinforces and builds on skills students gained in ESLG 0064. Additionally, students focus on TOEFL grammar. Repeatable

**Prerequisite(s):** ESLG 0064

### **ESLG 0075 - Advanced Vocabulary and Pronunciation**

Credit Hours: NO CREDITS

Vocabulary development, facility with idiomatic expressions, and thematic coherence are emphasized. The course focuses on the ability to express oneself clearly, with maximum comprehensibility continues from ESLG 0065 with advanced study in stress, vowel reduction, length, phonetics, rhythm, timing, and intonation. Vocabulary development, facility with idiomatic expressions, and thematic coherence are emphasized. Repeatable

**Prerequisite(s):** ESLG 0065

### **ESLG 0076 - Advanced TOEFL Strategies**

Credit Hours: 3

This course helps international students consolidate skills acquired ESLG 0066 so that they can be successful on TOEFL. Using techniques related to various sections of TOEFL, the course prepares students to be successful in study at the University. Repeatable

**Prerequisite(s):** ESLG 0066

### **ESLG 0077 - Advanced America Culture**

Credit Hours: 3

This course builds on ESLG 0067 to help new and experienced ESL students to consolidate their familiarity with American culture. Both practical and psychological aspects of adjusting and assimilating to American culture are reinforced.

Repeatable

**Prerequisite(s):** ESLG 0067

## **Finance**

### **FINC 3307 - Personal Finance**

Credit Hours: 3

A study of the problems a consumer must face in his or her day-to-day buying and living. It includes a brief survey of budgets, life insurance, investments, managing personal finance, buying services and other consumer issues.

**Prerequisite(s):** BSBA 2221, BSBA 2212

### **FINC 3315 - Venture Finance**

Credit Hours: 3

A study of capital markets and sources, with particular emphasis on the

development of skills and resources required to obtain the financial capital for entrepreneurial ventures. Major topics include attracting seed and growth capital from sources such as individuals, venture capitalists and institutional financiers. Case analyses present various ways that entrepreneurial companies have creatively identified, negotiated and structured financing. Students will prepare a financial proposal for the funding of an entrepreneurial venture.

**Prerequisite(s):** MGMT 3350

### **FINC 3350 - Investments**

Credit Hours: 3

This is an introductory survey course covering the broad field of investments, with a descriptive rather than quantitative approach. There is substantial emphasis on terminology and vocabulary, and the course covers fixed- and variable-return investments, options and futures, markets and brokerage operations, portfolio theory and analysis and real estate investments.

**Prerequisite(s):** BSBA 2221

### **FINC 3384 - Bank Management**

Credit Hours: 3

This course examines the principles and practices of contemporary bank management. It covers the various aspects of bank organization and operation, capital formation and utilization, asset/liability management, planning, law and regulation, internal control, competition and deregulation, the evolution of banking and some selected current issues in banking.

**Prerequisite(s):** BSBA 2221

### **FINC 3385 - Analyzing Financial Statements**

Credit Hours: 3

*Writing Intensive*

This course provides the student with the necessary techniques and tools to evaluate the financial condition and operating performance of a modern business. It will cover the terminology of financial analysis, horizontal and vertical analysis, financial ratios, pro-forma statements, funds flow analysis, break-even analysis and other analytical tools.

**Prerequisite(s):** ENGL 1102, BSBA 2221, BISM 1500

### **FINC 4410 - Managerial Finance**

Credit Hours: 3

This advanced course is designed to extend the coverage of the field of corporate finance, with emphasis on capital budgeting, risk, capital structure and dividend policy and financing decisions. Special topics covered will include mergers and acquisitions, financial distress and international corporate finance.

**Prerequisite(s):** BSBA 3310, FINC 3350

### **FINC 4412 - PC Applications for Managerial Finance**

Credit Hours: 3

This course is designed to enable students to master the concepts and techniques of corporate finance using PC applications. The course will be taught in the computer lab, making extensive use of spreadsheet models and templates. The effect of policy will be measured and analyzed, and problems solved through the use of multiple case studies. Topics to be covered include financial analysis, financial forecasting and planning, capital budgeting and cost of capital.

**Prerequisite(s):** FINC 4410

### **FINC 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **First Year Seminar**

### **SOAR 1100 - First Year Seminar**

Credit Hours: 1

SOAR students will gain the knowledge and tools needed to achieve academic success and participate in personal growth activities that help them to develop the qualities of a college-educated person. Additionally, students will develop strong connections with faculty, staff, and other students who will walk with them throughout their college career.

Requires a grade of "C" or higher (students who earn a D or F in SOAR must repeat the course).

General Education Requirement Satisfied:  
First Year Seminar

### **Folklore Studies**

#### **FOLK 2150 - Folk Arts**

Credit Hours: 3

This studio course is designed to give students a hands-on learning approach to the historical understanding and making of traditional/historical folk arts. Various materials will be used including fiber, wood, metal, paper, natural materials, and more to explore weaving/quilting, carving, tinsmithing/metal tooling, marbling/book binding/band box construction, doll making, and other traditional folk arts and crafts. An element of research will also be included in this course. This course, as a component of the Museum Studies program, will emphasize the application of folk-art making skills to that of museum interpretation. Same Course As: MUSM 2150

#### **FOLK 2200 - Introduction to Folklore**

Credit Hours: 3

This course is an introduction to conceptual foundations in folklore, such as its social base, tradition, folklore and cultural history, folklore as projection, genre, function, structure, text and context, through a historical and philosophical survey of approaches to folklore topics. Emphasis will be placed on the Appalachian cultural perspective. A field study lab of one hour will accompany this course.

#### **FOLK 2201 - Lab Field Research/Oral History Techniques**

Credit Hours: 1

This lab must be taken along with Introduction to Folklore before any of the other courses in the program. It is a study of the theories, techniques and procedures of field research as they apply to all folk study genres, along with the legal and ethical considerations, uses and planning of local oral history projects.

#### **FOLK 3300 - Folk Literature**

Credit Hours: 3

This course is an analysis of the components and genres of oral folk literature through poetry (the folk song, ballad and instrumentation), narrative (myths, legends, folktales, fables, morals, anecdotes, personal narratives and other forms of folk narrative), and language (verbal lore, such as dialect/accents, beliefs and superstitions, proverbs, sayings, riddles and jokes) within the contextual process of perpetuation (storytelling) and preservation (collecting and motifying). Emphasis will be placed on the Appalachian cultural perspective. A field study will be part of the course. Same Course As: ENGL 3387

**Prerequisite(s):** ENGL 1102

#### **FOLK 3301 - Material Culture**

Credit Hours: 3

A study of the tangible evidence of civilization, through the perspective of the Appalachian culture. Material culture is presented within the context of folklife and traditional craftsmanship, including crafts, art, traditional foodways, clothing, tools and technology. Students will examine the study of material folk culture from various methodological and theoretical perspectives, including artifact analysis and fieldwork. Same Course As: MUSM 3301

#### **FOLK 3302 - Regional Cultural Geography and History**

Credit Hours: 3

A study of regional personality through the relationship and attitudes of people to land and land use, along with migration

patterns, archaeological perspectives, behavior and popular customs. In a field study, archival techniques and research will be examined.

### **FOLK 3320 - The Art of Storytelling in Theory and Practice**

Credit Hours: 3

The emphasis of the course will be on both the theory and research related to storytelling and the art of storytelling as performance. In this performance-based course, students will select, craft, rehearse and perform stories suitable to a variety of audiences. Students enrolled in this course are required to attend the National Storytelling Festival in Jonesborough, Tennessee. Same Course As: THEA 3320 and COMM 3320

### **FOLK 3350 - Roads to Appalachia Study Abroad**

Credit Hours: 3

"Roads to Appalachia Study Abroad" is one of our primary educational programs that offers college students, educators, and community members opportunities to study and travel to parts of the world from which the populations of Central Appalachia has taken its cultural roots. "Roads to Appalachia" has featured research, study, and travel to such areas as Scotland and Ireland, Italy, England and Wales, Eastern Europe, and the Germanic Regions of Belgium/Southern Germany/Northern Switzerland. "Roads to Appalachia Study Abroad," FOLK 3350, is a course is designed to support an approximate two-week travel study to a selected cultural region. The course will study the historical and cultural context, geographical / geological and natural features, architectural landmarks and historical monuments, regions and cities, museums and galleries. Cultural and historical awareness (classical and traditional) will be emphasized through the study of the selected countries' folklore / folklife; regional, social, political, and religious history; geography, folk arts and crafts; costumes and dress; traditional life living museums; sources of the folk tales; architecture; traditional food; and folk

music (song, instruments, and dance). Study will rely on texts, films, guided discussions, guest lectures, culinary tastings, and student research and presentations.

### **FOLK 3361 - Introduction to Folk Music**

Credit Hours: 3

Introduction to Folk Music is an elective course focused on the combination of historical events that resulted in the major early settlement of the Appalachian Mountains, the music and instruments connected with the people who lived in those mountains, the interaction of their music styles and cultures, and the unique music that emerged and eventually birthed much of the music heard today. It is an interactive class that uses traditional oral methods to learn and play songs on a heritage instrument in both individual and jam sessions. No prior experience or musical knowledge is required and mastery of the instrument is not difficult. Same Course As: MUSI 3361

### **FOLK 3375 - Preservation of Appalachian Culture**

Credit Hours: 3

This course invites students to learn elements of traditional Appalachian culture and then to share these traditions with local community members through the cooperation of a community partner. The traditions emphasized may vary from year to year. FOLK 2200 and FOLK 2201 are recommended to be completed before this course. May be repeated

### **FOLK 4401 - Folklore Capstone**

Credit Hours: 3

An analysis of the various areas of folklore application, ranging from teaching/pedagogy, museum interpretations, and publications to the care, interpretation and presentation of artifacts. An internship and/or individual project will conclude the course.

Restrictions: This course is for seniors only.

**Prerequisite(s):** All other courses in the minor program

### **FOLK 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Forensic Science**

### **FORS 2201 - Introduction to Forensic Science.**

Credit Hours: 4

Lecture/Lab Hours: Students will be involved in 3 hours of lecture/discussion and a 3-hour lab session each week. This activities-based course is designed to engage students in the scientific study of collecting and analyzing physical evidence. Students will experience a variety of comparison science procedures to analyze such things as fingerprints, blood, ink, soils, textiles, glass, drugs, tool marks, and ballistics. The culminating experience will engross students in solving a mock crime using techniques learned during the course. When Offered: Fall semester only

### **FORS 2225 - Trace Evidence and Microscopy**

Credit Hours: 3

This course is designed to teach students how to properly evaluate and compare impression evidence and apply forensic microscopy of unknown materials. Students will analyze various hair, fibers, glass, paint, and soil using microanalysis. This course is hands-on providing extensive experience with microanalysis.

**Prerequisite(s):** CHEM 2200 and MATH 1540 or higher

### **FORS 3201 - Forensic Biology**

Credit Hours: 4

This course will expose the student to the procedures of searching and processing crime scenes and analyzing biological evidence in the field and in the lab. Examples of evidence examined in this class will include blood typing, toxicology, antigen/antibody reactions, blood spatter, entomology, bone, body fluids, and basic DNA fingerprinting. The culminating lab experience will engross students in solving a mock crime using biological techniques learned during the course.

**Prerequisite(s):** FORS 2201 with a C or better

### **FORS 3215 - Fingerprint Analysis**

Credit Hours: 2

Fingerprints play a large role in forensic science. The course explores different techniques and methods to capture and analyze fingerprints. Students will learn advanced techniques in latent fingerprints, lifting fingerprints, and preparation of fingerprints in a forensic setting, as well as factors that may affect fingerprint analysis.

**Prerequisite(s):** FORS 3201 with a C or better or permission

### **FORS 3225 - Forensic Taphonomy**

Credit Hours: 2

This 8-week course investigates human taphonomy with an emphasis on forensics. We will focus on the process of decomposition, burial, and re-exposure of individuals. This course will look at how taphonomy alters evidence during forensic investigations.

**Prerequisite(s):** FORS 3201 with a C or higher

### **FORS 3301 - Human Osteology**

Credit Hours: 4

This course introduces methods and concepts used to analyze human skeletal remains in forensic and archaeological contexts. Osteology is a hands-on course providing a basis for advanced studies such as: comparative anatomy, forensic anthropology, bioarcheology, paleoanthropology, and gross anatomy. Students will learn standard osteological analyses using real human remains. The course will consist of hands-on lectures and

mostly independent laboratory activities. In this course students will learn: 1) how to identify whole and fragmentary human skeletal remains, 2) how to distinguish between human and non-human bone, and 3) how to estimate age, sex, ancestry, and stature of an individual.

**Prerequisite(s):** BIOL 1106 with a C or higher

### **FORS 3305 - Forensic Anthropology**

Credit Hours: 4

This course provides a broad overview of the sub-discipline forensic anthropology. Forensic anthropology applies human osteology to a legal setting. In this course students will build on previously learned human osteology by applying it to scenarios such as, mass disasters, human rights, and trauma. Students will learn how to differentiate between comingled remains and fragmentary remains. This course will also give a brief overview of human decomposition as it leads to skeletal identification and time since death. This course will consist of hands-on laboratory activities.

**Prerequisite(s):** FORS 3201 with a C or higher

### **FORS 3310 - Forensic Toxicology**

Credit Hours: 4

This course focuses on aspects of drug chemistry with an emphasis in forensics. Students will learn standard analytical testing techniques. This course will also focus on how forensic toxicology relates to pharmacokinetics and metabolism, drug abuse, postmortem toxicology, and driving under the influence of alcohol and drugs. We will address mechanisms of drugs and toxins with their physiological and pathological consequences.

**Prerequisite(s):** CHEM 2200, FORS 3201 with a C or higher

### **FORS 3385 - Research and Design**

Credit Hours: 3

This course introduces students to research through research design, data collection, and scientific writing consistent with the field of forensic science. Students will propose, execute, and write a research project at the level of an undergraduate

thesis. This course will satisfy the writing intensive requirement.

**Prerequisite(s):** ENGL 1102, Junior or Senior status

### **FORS 4401 - Capstone Seminar in Forensic Science**

Credit Hours: 3

Designed to help students synthesize and apply, in a forensic science context, the approaches, knowledge and skills acquired in criminal justice, biology, chemistry, mathematics and physics courses. The course structure consists of student-driven case studies and discussions from recent literature, student presentations describing internship experiences and an explicit formal introduction to established professional and laboratory practices in forensic sciences, including ethics.

**Prerequisite(s):** INTR 4411

### **FORS 4411 - Forensic Science Internship**

Credit Hours: 2

This course provides a practical experience for junior or senior forensic science majors who are planning on careers in forensic science or related fields. The internship program offers the student an opportunity for observation of practitioners at work, as well as involvement in the day-to-day operation of a forensic science agency. Students participate in guided observation and activities and complete a reflection paper and log of the internship hours as well as other course requirements. Students will be engaged for a minimum of 85 hours with the participating agency that has been approved by the Forensic Science Program Coordinator.

**Prerequisite(s):** Junior status or Senior status

## **French**

### **FREN 1101 - Elementary French I**

Credit Hours: 3

This introductory course covers pronunciation, oral comprehension and speaking, reading and written drill and composition and elements of grammar. Laboratory.

### **FREN 1102 - Elementary French II**

Credit Hours: 3

Continuation of FREN 1101, completing the basic grammatical principles.

**Prerequisite(s):** FREN 1101

**FREN 1199 - Special Topics in French**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**FREN 2201 - Intermediate French I**

Credit Hours: 3

A course designed to reinforce and increase knowledge of vocabulary and grammar. The course consists of extensive reading, review of grammar and continued attention to pronunciation and speaking. Engaging reading materials, such as short stories, are emphasized. Laboratory.

**Prerequisite(s):** FREN 1102

**FREN 2202 - Intermediate French II**

Credit Hours: 3

The continuation of FREN 2201.

**Prerequisite(s):** FREN 2201

**FREN 2220 - Intermediate Topics in French**

Credit Hours: 3

A diversified study of the daily life and environment of present-day France and French-speaking peoples, placed in relation to the language. Emphasis is on a realistic, practical approach to language use. Work is individualized to fit the language-level and interest of the student.

**FREN 3310 - Advanced Topics in French**

Credit Hours: 3

Supervised independent study reflecting the student's needs and interests.

**FREN 3311 - French Composition and Conversation I**

Credit Hours: 3

This course covers writing, conversation and aural comprehension, with extensive use of audio-visual aids. Emphasis on practical proficiency, grammar, vocabulary building, and phonetics.

**Prerequisite(s):** FREN 2202

**FREN 3312 - French Composition and Conversation II**

Credit Hours: 3

Parallel course to FREN 3311, with content emphasizing French civilization and culture. Note: FREN 3311 and 3312 may be taken in any order.

**Prerequisite(s):** FREN 2202 or equivalent

**FREN 3314 - French Civilization and Culture**

Credit Hours: 3

A study of France's basic historical development and significant contributions to civilization, its outstanding figures, its geography, traditions, contemporary social patterns, legends, songs, and influence on the United States. The instructional method emphasizes French conversation and extensive use of tapes, slides, and motion pictures.

**Prerequisite(s):** FREN 2202

**FREN 3321 - Contemporary Literature**

Credit Hours: 3

This course focuses on outstanding writers of the twentieth century, such as Camus, Ionesco, Proust and Sartre. Emphasis is on reading comprehension.

**Prerequisite(s):** FREN 2202

**FREN 3326 - Media Studies in French**

Credit Hours: 3

This upper-level course is taught in French to increase proficiency in language and culture. Students examine main currents in media from the Francophone world, building to develop a comparative study of a particular topic and related ideas expressed through media in different countries. Suitable for French minors and those with previous experience in French. See instructor for questions

**FREN 4411 - Advanced French Composition and Conversation**

Credit Hours: 3

*Writing Intensive*

In this course, students will develop writing and conversational skills and aural comprehension on an advanced level, with extensive use of audio-visual aids.

Emphasis is on attaining a high level of proficiency in grammar, vocabulary and



pronunciation. This should be taken as late as possible in the sequence of courses.

**Prerequisite(s):** ENGL 1102, FREN 3312

### **FREN 4420 - Francophone Cultures in the Americas**

Credit Hours: 3

Students work to understand the cultural and social context of regions of North and South America and the Caribbean where French is spoken, through a study of creative productions from these regions, such as film, music, and storytelling. This course provides a frame of reference to build meaningful relationships with and within Francophone communities in the Americas. Suitable for students in a wide variety of majors, and for students with no previous French experience. Taught in English.

### **FREN 4426 - Main Currents of French Literature and Culture**

Credit Hours: 3

A coordinated study of French literature and culture from a thematic and unitary standpoint. The main and unique currents of French contribution to world civilization are distinguished. Texts are taken from the Middle Ages to the Modern period, with selections from all genres.

**Prerequisite(s):** FREN 2202

### **FREN 4431 - Methods and Materials in Teaching French**

Credit Hours: 3

Study and practice in teaching French language and literature, grades 5-Adult.

### **FREN 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their

discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **Geography**

#### **GEOG 1199 - Special Topics in Geography**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

#### **GEOG 2210 - Introduction to Geography**

Credit Hours: 3

An introduction to the physical and cultural elements of geography, with a study of major geographical regions of the world.

#### **GEOG 2213 - History of 21st Century Geography**

Credit Hours: 3

Develop effective spatial literacy, how to communicate spatial information visually, and how recent advances in technology and data availability have increased our knowledge about the world. This class surveys key concepts of geospatial technologies (GISc, remote sensing, spatial analysis) in the context of Human Geography, demography, and behavioral patterns

**Prerequisite(s):** GEOG 2210

#### **GEOG 3305 - Economic Geography**

Credit Hours: 3

A geographic study of the production, consumption and exchange of goods by people throughout the world.

Consideration is also given to spatial variations and influences of the natural environment and culture.

#### **GEOG 3315 - Urban Geography**

Credit Hours: 3

A study of urbanization process, including origin, growth, function, spatial patterns, structure and hierarchical arrangement of urban centers. Students will also examine urban problems, with special references to American cities.

**GEOG 3316 - Introduction to Geospatial Methods**

Credit Hours: 3

This course introduces the foundational concepts of geographic information science (GISc) using Human Geography, demography, and behavioral patterns of advanced topics in GISc and geospatial technology. All topics will be paired with appropriate software. This course has an associated geospatial lab time.

**Prerequisite(s):** GEOG 2213

**GEOG 3317 - Advanced Geospatial Methods**

Credit Hours: 3

This course is a project-based exploration spatial communication using Human Geography, demography, and behavioral patterns of advanced topics in GISc and geospatial technology. All topics will be paired with appropriate software.

**Prerequisite(s):** GEOG 3316

**GEOG 3330 - Geography of North America**

Credit Hours: 3

A course in regional economic geography, primarily of the United States and Canada, from the standpoint of humanities activities in relation to their natural surroundings and resources.

**GEOG 4490 - GISc Capstone**

Credit Hours: 3

This course provides an opportunity for students to pursue a research interest in the spatial sciences through the development of an applied project and paper. The capstone walks students through the steps expected for geospatial projects in the workforce through a large-scale project generated either internally or through contacts at the university, local, regional, federal or international scale. In the process, students will apply geospatial planning and management, analysis, ethics, and collaboration to solve a real-world problem or spatial challenge.

**Geology**

**GEOG 1101 - Physical Geology**

Credit Hours: 4

Lecture/Lab Hours: Three hours of lecture and two hours of lab per week Lab includes field trips

This course is an introductory study of the materials, structures and forces in the earth. Topics include weathering, hydrology, glaciers, earthquakes, landslides, and volcanoes; students will also examine the physical and chemical processes that contribute to the earth's changing form and shape. Both surface and internal processes are covered, with emphasis on the interaction between these processes, including the theory of plate tectonics. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
GEOG 1101~

**GEOG 1102 - Historical Geology**

Credit Hours: 4

Lecture/Lab Hours: Three hours of lecture and two hours of lab per week

An introduction to the history of the earth from its origins to the present day. The evolution of the earth's oceans, ocean basins, atmosphere and life forms are also studied. The study of past life and continental position in geologic time is based on the interpretation of fossils, rocks, continental drift and plate tectonics. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
GEOG 1102~

**GEOG 1199 - Special Topics in Geology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**GEOG 2300 - Environmental Geology**

Credit Hours: 4

Lecture/Lab Hours: Three hours of lecture and two hours of lab per week

This course explores the application of

geologic principles to everyday environmental problems. The three segments of the course cover geological hazards, including landslides and earthquakes; the effects of geology and geochemistry on human health; and effects of human activities such as mining and energy production on Earth and its inhabitants.

**Prerequisite(s):** GEOL 1101

## **Geoscience**

### **GEOS 1199 - Special Topics in Geoscience**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

### **GEOS 2200 - Oceans and Climate**

Credit Hours: 4

The Oceans and Climate course uses relevant ocean issues to teach oceanography and climate concepts. Teacher candidates are exposed to the integrated nature of the science involved in understanding ocean issues. Project-based learning modules explore student understanding of ocean issues, promote ocean science literacy, explore impacts on the ocean and/or terrestrial environment, and require application of content knowledge to complete authentic assessments designed to suggest solutions for societal needs. (Students completing this course may not receive credit for both SCIE 2200 and GEOS 2200).

**Prerequisite(s):** GEOL 1101, BIOL 1105

### **GEOS 2201 - Exosphere**

Credit Hours: 4

Lecture/Lab Hours: Four hours of lecture/discussion/activities per week  
This course is designed to provide elementary education majors with an understanding of the interrelationships of matter and energy, and the earth in space. The Exosphere theme will focus primarily on astronomy and physics, while incorporating topics in earth science and biology. Class periods will be structured

around the three-stage learning cycle, modeling constructivist teaching methods.  
When Offered: Fall semester only

**Prerequisite(s):** BIOL 1104 with a C or better and admission to Elementary Education

### **GEOS 2202 - Geosphere**

Credit Hours: 4

Lecture/Lab Hours: Four hours of lecture/discussion/activities per week  
This course is designed to provide elementary education majors with an understanding of the dynamic earth and its matter. Students will primarily focus on earth science and chemistry topics, while integrating biology concepts and physics topics such as balanced and unbalanced forces, magnetism, friction, wave propagation and structure. When Offered: Spring semester only

**Prerequisite(s):** BIOL 1104 with a C or better and admission to Elementary Education

### **GEOS 3100 - Informal Science Field Experience**

Credit Hours: 1

The informal science field experience course provides students with the opportunity to teach as informal science educators to provide unique learning environments to increase appreciation and understanding of science. Students will participate in informal science training, deliver science presentations designed to deepen K-12 student understanding of science, showcase West Virginia science & engineering, and encourage K-12 students to pursue future careers in STEM fields.

## **Graphics Technology**

### **GRFX 1111 - Imaging I Foundations**

Credit Hours: 3

This is an introductory course that presents vector and raster graphics as the two primary formats for developing imagery for visual communication. The course focuses on the use of current industry software to create finished artwork that is suitable for use in professional visual design/communication pieces. Students are expected to work in the computer lab

outside of class hours to develop their skills.

### **GRFX 1113 - Multimedia Concepts**

Credit Hours: 3

Basic techniques of computer presentation and multimedia will be covered. Students will use introductory software for the creation of digital animation, motion, and multimedia. Activities include exercises using Microsoft PowerPoint, Apple QuickTime, and still and motion digital video capturing.

### **GRFX 1199 - Special Topics in Graphic Communications**

Credit Hours: 1-12

Special topics will be studied, to be determined by the instructor and approved by the College's Dean. Credits earned will be applicable as free electives in degree and certificate programs.

### **GRFX 1220 - Master Document / Design**

Credit Hours: 3

Master Document / Design emphasizes visual problem-solving skills and personal productivity concepts using industry standard computer software. Course includes an introduction to computer graphics software using the following Adobe Creative Suite software: InDesign as a "master document," Photoshop, and Illustrator.

**Prerequisite(s):** GRFX 1111

### **GRFX 1222 - Internet Animation**

Credit Hours: 3

This course is an introduction to basic techniques of computer animation and presentation for multimedia and internet and interactive training applications.

### **GRFX 2121 - Graphic Design I Foundations**

Credit Hours: 3

This introductory course develops fundamental visual concepts through a series of assignments that include visual analysis and development of two-dimensional media for communicating information. Course includes an introduction to computer graphics

software.

**Prerequisite(s):** GRFX 1220

### **GRFX 2123 - Photography I Foundations**

Credit Hours: 3

This is an introductory photography course with an emphasis on digital media. The basic tenants of photographic composition and technical development will be presented and students will be assigned work to demonstrate their use of these techniques. Photography as a multi-media tool to communicate visual meaning applied to print, journalism, and web design will be explored.

### **GRFX 2125 - History of Graphic Design**

Credit Hours: 3

This course is a broad survey of the history of graphic design to develop a fundamental understanding of the subject through presentation and discussion. Restrictions: Open to graphic design technology majors

**Prerequisite(s):** Permission of instructor

### **GRFX 2203 - Introduction to Game Principles**

Credit Hours: 3

This course is an introduction to basic principles of interactivity and game design. Asset creation, event handling, scores, displays, and sequencing are covered. Same Course As: COMP 2203

**Prerequisite(s):** GRFX 1113

### **GRFX 2220 - Information Graphics**

Credit Hours: 3

This course is an intermediate course that develops a systematic approach to translating raw data into clearly understandable information. Typographic and/or visual elements such as icons will be organized structurally for the viewer to "read" the information with the intended visual meaning. The typographic organization of diagrams, charts and graphs are used to translate data into images with understandable visual meaning. Restrictions: Open to graphic design major students only.

**Prerequisite(s):** GRFX 1111

### **GRFX 2222 - Typography I Foundations**

Credit Hours: 3

Typography, as a broad study, has been defined as "the art of printing from moveable type, including the skilled planning of typeface and size, composition, and layout, to make a balanced and attractive whole." This course is an introductory to intermediate course that develops a fundamental understanding of typographic organization through the exploration of assigned studies and professional applications.

**Prerequisite(s):** GRFX 1220

### **GRFX 2299 - Special Topics in Graphic Communications**

Credit Hours: 1-12

This course will provide an opportunity for students to further their study of principles and concepts in the field and to apply their knowledge in a variety of applications both in the traditional classroom setting and in work/job related experiences. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the College's Dean.

### **GRFX 3131 - Motion Graphics I**

Credit Hours: 3

This course introduces the fundamentals of 3D modeling and related technology, along with application specific to the design of content for entertainment, gaming and character development.

**Prerequisite(s):** GRFX 1222

### **GRFX 3133 - Typography II Branding & Identity Design**

Credit Hours: 3

This is an intermediate to advanced course that develops a systematic approach to typographic organization through the exploration of assigned studies and professional applications. A review of historical developments and current applications are included as well as the use of systems in typographic communication. Restrictions: Open to graphic design major students only.

**Prerequisite(s):** GRFX 2222

### **GRFX 3230 - Interactive and Multimedia Design**

Credit Hours: 3

Introduction to multimedia authoring. Students will design and publish interactive content employing a variety of native file formats.

**Prerequisite(s):** GRFX 1222

### **GRFX 3232 - Photography II Studio & Video Tech**

Credit Hours: 3

This is an intermediate to advanced photography course that will include commercial setups of products and portraits, studio lighting in a photo room with professional backdrops, photo-retouching techniques with industry-standard software, and the introduction of video and video-editing capabilities with computer software.

**Prerequisite(s):** GRFX 2123

### **GRFX 3234 - Multipage Documents and Design**

Credit Hours: 3

Through lectures, demonstrations and studio work students develop and implement designs for multipage documents such as annual reports, magazines and view books. The relevance of typography to multipage documents will also be explored.

**Prerequisite(s):** GRFX 2222

### **GRFX 4141 - Graphic Design Senior Seminar**

Credit Hours: 3

*Writing Intensive*

This course revolves around an examination of current topics in graphic design with conceptual and theoretical approaches for analyzing visual communication. Emphasis is placed on critical reading, research and writing in a seminar atmosphere. Restrictions: Open to Graphic Design majors only.

**Prerequisite(s):** ENGL 1102

### **GRFX 4143 - Motion Graphics II**

Credit Hours: 3

An intermediate to advanced course in graphic motion that includes investigation of technology applications for current topics. Assignments are to be based on current graphic design topics in fields such

as education, entertainment, science, or sports.

**Prerequisite(s):** GRFX 3131

### **GRFX 4145 - Exhibition Design & Development / Senior Show**

Credit Hours: 3

This course requires students to create a presentation suitable for installation at a museum venue. This may necessitate additional production processes and software dependent on the students' selection of presentation. Installations may include: interactive experiences, exhibitions, and e-learning. Students must mount a senior show.

**Prerequisite(s):** GRFX 3230

### **GRFX 4240 - Graphic Design. Applied Theory**

Credit Hours: 3

This course is a visual communications concept and production course based on the individualized research results from GRFX 4141 Graphic Design Senior Seminar. Emphasis is placed on appropriate selection of media, development of written and visual content, selection (with or without manipulation) or original creation of imagery, use of appropriate typographic approach, thoughts on intended audience and possible venue for the final product.

**Prerequisite(s):** GRFX 4141

### **GRFX 4242 - Career & Portfolio Development**

Credit Hours: 3

This course assists students with preparation and documentation of their work for assembling physical and digital portfolios. Emphasis will be placed on organizational and presentation skills in writing and designing their verbal and visual information into a cohesive portfolio.

**Prerequisite(s):** GRFX 3230

### **GRFX 4244 - Senior Internship**

Credit Hours: 3

This required course for the graphic design major is intended to afford each student the opportunity to gain practical work experience in the field. Each student needs to secure a working "contract" with a

"client/sponsor" that will provide graphic design-related business activities. The client/sponsor should have a work environment that is suitable for a student to learn and contribute to his/her educational enrichment.

**Prerequisite(s):** Instructor Approval, and GRFX 3230, and GRFX 4143

### **GRFX 4460 - Game Design and Implementation**

Credit Hours: 4

This comprehensive course in game design and implementation covers an analysis of the game engine technology and the implementation of artwork and custom computational structure within a game engine framework. Same Course As: COMP 4460

**Prerequisite(s):** COMP 1130, COMP 2203/GRFX 2203

### **GRFX 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **Healthcare Management**

#### **HCMG 2201 - U.S. Healthcare Systems**

Credit Hours: 3

This course is a survey of the major components that comprise the current U.S. healthcare system. It focuses primarily on historical perspectives, basic terminology describing settings and levels of care, utilization of services, how services are funded, vulnerable populations and future challenges for delivery of coordinated

healthcare services. Students will evaluate current trends in management and delivery at various levels of the healthcare continuum from acute care hospital to medical home models. The course includes an understanding of major characteristics of U.S. health care delivery including Managed care and integrated systems, cost, access, and quality. The status and impact of the Affordable Care Act on all parts of the health care delivery system are reviewed.

### **HCMG 2221 - Healthcare Finance**

Credit Hours: 3

Financial management challenges are not just the responsibility of a chief financial officer in an organization. It is shared among managers and directors due to the increasingly complex environment of healthcare delivery in the U.S. This course provides an introduction to financial management, operating revenue, managing working capital, tax status, third-party payors and reimbursement methodologies, financial planning and capital budgeting in healthcare organizations. It also provides analysis of current healthcare reform and trends that will affect healthcare organizations in the future.

### **HCMG 2231 - Population Health**

Credit Hours: 3

This course provides an overview of health outcomes of geographic populations (communities, countries, etc.) as well as group populations (workforce, schools, ethnic groups, people with disabilities, prisoners, or others categorized by shared traits or issues). The health outcomes of such groups are of relevance to policy makers in both the public and private sectors. Population Health examines a diverse range of environmental, physical and cultural conditions that occur within populations. It considers the outcomes influenced by these conditions and seeks policy or interventions to improve health and minimize health inequities in an efficient and affordable manner.

### **HCMG 3301 - Healthcare Organizations**

Credit Hours: 3

Organization, current legislation and the roles and relationships of the health care professions are discussed in detail. Emphasis is placed upon roles of hospital management with emphasis on comprehensive health care in hospitals and extended care facilities. Responsibility of the health care agency regarding competent and responsible care of patients is defined. Organization patterns in health care agencies, as well as, contributions of health professionals and paraprofessionals in meeting human needs will be emphasized.

### **HCMG 3302 - Management Problems of the Healthcare Delivery Systems**

Credit Hours: 3

Health care system processes including outpatient and primary care services, inpatient facilities and services, managed care and integrated organizations, long-term care, and health services for special populations are defined and discussed. Regulations, legislation, growth, and decline of each health care service are emphasized. The future of health services delivery and related opportunities and issues are also discussed in detail.

### **HCMG 3331 - Health Information Exchange**

Credit Hours: 3

This course introduces health information exchange (HIE), the electronic transfer of administrative and clinical information among healthcare organizations. Students examine strategic, organizational, legal, technical, and sociopolitical aspects of HIE initiatives in the U.S. and abroad, including their impact on healthcare quality, safety, efficiency, and financial sustainability. Emphasis will be placed on the organizational demands and healthcare user needs. It is designed to address issues related to the exchange of clinical data across multiple healthcare environments. Special focus is placed on current Federal and State health information technology standards, privacy and security regulations specifically related to the protection of patient information. Students will work in

teams to discuss current trends and challenges, best practices for health information systems, and health information standards pertinent to the field of healthcare in order to create an HIE model. Student group work will include a submission of a detailed plan for a regional Health Information Exchange model as well as a PowerPoint or similar presentation summarizing the plan highlights.

**Prerequisite(s):** HCMG 2201 and HCMG 2221 or HCMG 2231

### **HCMG 3333 - Quality Management in a Regulatory Environment**

Credit Hours: 3

Regulation shapes all aspects of America's health care industry, from the flow of tax dollars to the communication between physicians and patients. It is the engine that translates public policy into action. While the health and lives of patients, as well as almost one-sixth of the national economy depend on its effectiveness, health care regulation in America is ever-changing and complex. Government agencies at the federal, state, and local levels direct regulatory oversight of the industry, but other private organizations do so as well. This course focuses on the importance of quality management to achieve compliant regulatory, safety and efficiency goals in healthcare delivery.

**Prerequisite(s):** HCMG 2201 and either HCMG 2221 or HCMG 2231

### **HCMG 3372 - Legal and Medical Ethics**

Credit Hours: 3

This course is designed to acquaint the student with the legal and ethical responsibilities of the administrator involved in health care. Emphasis is placed upon legal issues, as well as, legal responsibilities and liabilities.

### **HCMG 4000 - Managing the Post-Acute Healthcare Continuum**

Credit Hours: 3

This course addresses conceptual, interpersonal and business skills associated with managing post-acute healthcare organizations that provide continued care for special populations. With the changing demographics, by the late 2020's, the

majority of Americans will be over the age of 65 and 20 percent of them will need some form of assisted care. As health care's traditional care providers focus on a care continuum, a critical strategic consideration for health systems is development of effective post-acute care networks that enable them to deliver cost-effective, high-quality care in the right place at the right time. The content builds expert knowledge of all aspects of long-term care management, including operations, human resources, patient advocacy, and information systems. It also emphasizes the latest understandings of the long-term care continuum and patient-centered care for diverse populations. This is a hybrid 1 course with 75% of the content delivered on line and 25% in scheduled sessions with instructor during the semester.

**Prerequisite(s):** Students must have completed all HCMG 3000 level coursework. Students must have proficiencies with Blackboard or equivalent Fairmont State University e-learning System.

### **HCMG 4400 - Healthcare Policy**

Credit Hours: 3

Health Care Policy is designed to provide an introduction to policy issues in healthcare including state and federal roles, the policy process and integration into healthcare systems management. This course explores underlying concepts, critical health policy issues, values and the American political process as they influence policy. Discussion will focus on four substantive areas that form the analytic basis for many of the issues in Health Policy Formulation and Management: need and demand; economics and financing; politics/ethics/law; and quality/effectiveness.

**Prerequisite(s):** HCMG 2201, HCMG 2221, and HCMG 2231

### **HCMG 4401 - Healthcare Practicum and Seminar**

Credit Hours: 3

*Writing Intensive*



This capstone course includes both theory and clinical components. Students, in conjunction with their instructor and preceptor, will design an administrative field experience which will culminate in completion of the programs graduate outcomes. During the practicum experience the students will further develop management and leadership skills while interacting with middle managers in their selected fields and by conducting a change project within their agency. This Writing Intensive course includes journaling, online discussions, research papers, and PowerPoint poster presentation.

### **HCMG 4450 - Healthcare Management Capstone**

Credit Hours: 3

Students choose a healthcare project for advanced concepts and skills needed for effective management activities that promote individual and agency development. Capstone is synthesis of management skills in practice, skill in decision-making and judgment as well as professional role development.

## **History**

### **HIST 1107 - United States History I**

Credit Hours: 3

Examines the major developments in American history, from pre-Columbian native American cultures to the end of the Civil War, with emphasis on the Colonial, Revolutionary, Early Republic and Civil War eras. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
HIST 1107~#

### **HIST 1108 - United States History II**

Credit Hours: 3

Examines the major developments in American history, from Reconstruction to the present with emphasis on the political, social, cultural, economic and diplomatic forces that contributed to America's emergence as the world's leading industrial democracy. Course is

transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
HIST 1108~#

### **HIST 2211 - World Civilizations I**

Credit Hours: 3

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations in pre-historic times, ancient empires and the early Middle Ages. Recommended for sophomores and well-prepared freshmen. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
HIST 2211~#

### **HIST 2212 - World Civilizations II**

Credit Hours: 3

An intermediate-level survey of worldwide historical developments, emphasizing major civilizations from the Middle Ages to the social, political, and industrial revolutions of the eighteenth century. Recommended for sophomores and well-prepared freshmen. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
HIST 2212~#

### **HIST 2213 - World Civilizations III**

Credit Hours: 3

An intermediate-level survey of worldwide historical developments from the French Revolution of 1789 to the present era, emphasizing major civilizations and the modern growth of global interdependence. Recommended for sophomores and well-prepared freshmen. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
HIST 2213~#

### **HIST 2250 - The Historian's Craft**

Credit Hours: 3

*Writing Intensive*

The Historian's Craft is a Writing Intensive course designed to provide history majors with the skills necessary to write effectively and persuasively in the field of history, including familiarization with the Chicago-style of citation. Utilizing a workshop format, the course will introduce students to different styles of historical writing and it will give students the opportunity to practice and hone their skills in identifying and summarizing historical arguments, engaging in critical analysis and review, conducting original historical research, and writing argument-based, research-driven papers. Restrictions: History and Social Studies Education majors, or must have instructor's approval to register.

**Prerequisite(s):** ENGL 1102 and sophomore standing

**HIST 3302 - West Virginia**

Credit Hours: 3

This course covers West Virginia history, government and geography from the first settlements to the present time.

**Prerequisite(s):** HIST 1107, HIST 1108

**HIST 3305 - History of National Security and Intelligence**

Credit Hours: 3

An intermediate-level course on the origins, developmental milestones, important events and policies that shaped the United States' intelligence infrastructure. There will be discussion of national security policy and actions that have been implemented, and analysis of their effectiveness. This course will develop skills in research, editing, writing and presentation. Students will be required to research assigned topics, collect documentation, edit references, write an analysis of a proposed course of action, and support a recommended course of action in an oral briefing with graphic slides. The format of this course is designed to acquaint the student to the time-sensitive and volatile nature of collection, analysis, production and dissemination of intelligence information. Same Course As: NSIS 3305

**HIST 3310 - Diplomatic and Military History of the United States**

Credit Hours: 3

Addresses the relations between the United States and other countries, and the development of basic American foreign policies from the colonial background to the super-power status of the present day. Students will pay special attention to war and its foreign-policy consequences.

**Prerequisite(s):** HIST 1107, HIST 1108

**HIST 3312 - Colonial America**

Credit Hours: 3

Covers the American colonies from their beginnings to the end of the Revolutionary War.

**Prerequisite(s):** HIST 1107

**HIST 3314 - History of the American Revolution**

Credit Hours: 3

This course examines the political, economic, and social causes of the American Revolution from an Atlantic World context. In addition to the military history of the Revolution, the course will also study the home front, early American diplomatic efforts, and cultural problems that emerged during the conflict. Furthermore, this course will expose students to the historiographical debates surrounding the conflict.

**Prerequisite(s):** HIST 1107; Sophomore Standing

**HIST 3316 - The Early Republic**

Credit Hours: 3

Covers United States history from the Revolutionary War to the close of the Mexican War.

**Prerequisite(s):** HIST 1107

**HIST 3317 - Civil War and Reconstruction**

Credit Hours: 3

This course examines the myriad causes of the Civil War, the social, economic, and political changes in the North and the South during the war, highlights key battles and campaigns, and explores the complex and difficult reunification and reconstruction of the Union and the defeated Confederacy following the war.

**Prerequisite(s):** HIST 1107

### **HIST 3320 - Gilded Age and Progressive Era**

Credit Hours: 3

This course focuses on key social, cultural, political, and economic developments in United States history from 1877 until 1920 - a time frame which encapsulates the Gilded Age and the Progressive Era. Major topics include the Industrial Revolution, the labor movement, the immigrant experience, the rise of the New South, the impact of territorial expansion domestically and abroad, populism, progressivism, and World War I.

**Prerequisite(s):** HIST 1108; Sophomore Standing

### **HIST 3322 - Modern American History from 1920-1960**

Credit Hours: 3

This course focuses on key social, cultural, political, and economic developments in United States history from 1920 until 1960 - a time frame in which a discernably modern American society emerged. Major topics include the Jazz Age and the Harlem Renaissance, 1920s nativism, the Great Depression, the New Deal and the modern presidency, American involvement in World War II, the emergence of the United States as a world power, the early stages of the Cold War between the United States and the Soviet Union, and important sociocultural and political developments of the 1950s.

**Prerequisite(s):** HIST 1108; Sophomore Standing

### **HIST 3324 - Recent America from 1960 to the Present**

Credit Hours: 3

This course focuses on key social, cultural, political, and economic developments in United States history from 1960 to the present. Major topics include the social, cultural, and political upheavals of the 1960s, with particular attention to the "movement of movements" and the presidencies of JFK and LBJ; the evolution of the Cold War into the 1960s, especially by way of the conflict in Vietnam; the conservative ascendancy and the rise of the New Right, with close attention to the presidencies of Nixon and Reagan; the

impact of the information revolution and globalization at the end of the twentieth century; America's continued changing role in the world, especially pre-and post-9/11; and significant sociocultural and political transformations at the turn-of-the-twenty-first century.

**Prerequisite(s):** HIST 1108 ; Sophomore Standing

### **HIST 3333 - Women in American History**

Credit Hours: 3

Women in American History focuses on the pivotal roles women have played in American history from the pre-colonial era up to the present day. By placing women at the center of American history, the course demonstrates how the experiences of American women have decisively shaped American society, culture, politics, and economics throughout the nation's history in order to offer a more complete and complicated vision of the American past. With particular attention to the ways in which gender roles are historically constructed, students will investigate how women have worked within, and pushed against, various boundaries in order to exercise control over their lives and to gain greater equality in American society.

**Prerequisite(s):** HIST 1107 or HIST 1108

### **HIST 3335 - Women in World History**

Credit Hours: 3

This course examines the history of women around the globe by using a dual lens of gender and women's experiences from the ancient world to the present. Going beyond the fragmentary inclusion of women in world history this course focuses on women's experiences as central. Because women's lives have been defined by socially constructed ideas of gender this course includes an examination of how gender has defined women's experiences. Additional topics include, the roles and contributions of women around themes of family life, political engagement, their role in religion, economic production, education, and sexuality.

### **HIST 3340 - Popular Culture in Modern American History**

Credit Hours: 3

With the guiding premise that popular culture illuminates underlying tensions and currents of thought in American society, *Popular Culture in Modern American History* utilizes revealing examples of commercial entertainments, including film, television, music, radio, sports, comics, and literature in order to analyze key developments in modern American history. Viewing popular culture as a dialogical process between producers and consumers of entertainment, this course focuses on the interactions between marginal, subversive, and mainstream forms of popular culture in order to demonstrate how popular culture has been a democratic medium that has offered openings for cultural representation to marginalized groups in American history.

**Prerequisite(s):** HIST 1107 or HIST 1108

### **HIST 3344 - African-American History and Culture**

Credit Hours: 3

A survey of African-American experience in the United States, from the African cultural background and slavery through the present-day urban experience.

**Prerequisite(s):** HIST 1107 or HIST 1108

### **HIST 3351 - History of England**

Credit Hours: 3

This course covers England's history from Roman rule to the present day.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213

### **HIST 3352 - History of Russia**

Credit Hours: 3

Development of the Russian people from the time of their appearance as a national entity, through the tsarist, imperial, revolutionary and Soviet eras to the present.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213

### **HIST 4405 - History of Africa**

Credit Hours: 3

This course examines the history of Africa from ancient times to the present analyzing contending ideas about the history of Africa and Africans. Topics covered include

the origin of humans, early empires, and religion in Africa. The impact of outside influences from the African Diaspora to Imperialism and the Cold War are an integral part of the course. Additionally, an examination of African art, literature, music, and food provide a balanced picture of the rich history of the African continent and its people.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213

### **HIST 4410 - History of Asia**

Credit Hours: 3

This survey course examines the history of East Asia including the areas that comprise modern day China, Japan, Korea, Vietnam, and parts of Southeast Asia from antiquity to the present. The course addresses the complex development of early East Asian cultures in relation to each other, as well as how commercial, military, religious, diplomatic and cultural relationships combined with internal processes to influence the development of East Asian societies and their connection to the rest of the world.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213

### **HIST 4415 - History of the Middle East: Muhammad to the Present**

Credit Hours: 3

History of the Middle East from Muhammad to the Present, surveys political and religious change in the Middle East from the time of Muhammad to the present. The course examines the origins and tenets of Islam, military and political realities of Islamic empires, the structure of families, religious interaction, and Middle Eastern models of just rule. Embedded in these topics are examinations of religious sectarianism, intellectualism, philosophy and spirituality. Additional major topics include relations between the Ottoman Empire and Europeans; World War I and the peace settlement which defined states in the Middle East; Western-Middle Eastern perceptions of one another; the historical roots of the Israeli-Palestinian struggle; and the rise of nationalism and religious

fundamentalism. The course puts current events in the Middle East in context and considers how the history of the Middle East speaks to what the future may hold for the global community.

**Prerequisite(s):** Sophomore Standing, HIST 2211 or HIST 2212 or HIST 2213

### **HIST 4421 - Colonial Latin American History**

Credit Hours: 3

Colonial Latin American History is an introductory survey of early Latin America from the Pre-Columbian period through the Age of Revolution. No prior knowledge of the region is required. The course will focus on a series of historical problems including: the development of indigenous American cultures; European invasion and political consolidation; the formation of a new colonial society; and, various problems of race, ethnicity, class, and gender. Furthermore, this class will provide an interpretive framework for understanding the historical changes taking place by examining institutions, political and economic systems, and cultural developments.

**Prerequisite(s):** HIST 2211, HIST 2212 OR HIST 2213; Sophomore Standing

### **HIST 4422 - Modern Latin American History**

Credit Hours: 3

Modern Latin American History is an introductory survey of Latin America from the early republican period through the twenty-first century. No prior knowledge of the region is required. The course will focus on a series of historical problems including: post-independence political, economic, and social reforms; the end of slavery and increased ethnic conflict; and the development of national identities. Furthermore, this class will provide an interpretive framework for understanding the historical changes taking place by examining institutions, political and economic systems, and cultural developments.

**Prerequisite(s):** HIST 2211, HIST 2212 OR HIST 2213; Sophomore Standing

### **HIST 4425 - Medieval Europe**

Credit Hours: 3

This course covers change and continuity in Medieval Europe from the fall of Rome in the 5th century to the Renaissance of the early 16th century.

**Prerequisite(s):** HIST 2211 or HIST 2212

### **HIST 4429 - Early Modern Europe**

Credit Hours: 3

Early Modern Europe will cover the history of Europe from 1500 to 1789, stretching from the Protestant Reformation to the beginning of the French Revolution.

**Prerequisite(s):** HIST 2212

### **HIST 4430 - 19th Century Europe**

Credit Hours: 3

This course will trace the history of Europe from the French Revolution in 1789 to the outbreak of the Great War in 1914.

**Prerequisite(s):** HIST 2213

### **HIST 4431 - Recent Europe**

Credit Hours: 3

Recent Europe covers the history of Europe from the beginning of World War I in 1914 through to the present. When Offered: Spring semester only

**Prerequisite(s):** HIST 2213

### **HIST 4450 - History of American Sexualities**

Credit Hours: 3

History of American Sexualities provides students with a comprehensive overview of how and why ideas related to sex and sexuality have evolved from the pre-colonial era in America up until the present. In exploring sexuality as a historically contingent sociocultural category of analysis, the course will focus on how ideas about sexuality have been historically linked to ideas about gender, biology, race, and class; how and why modern categories of "homosexuality" and "heterosexuality" came into existence; and, the impact of efforts to reform, regulate, or challenge societal perceptions of sexuality and sexual behavior.

**Prerequisite(s):** HIST 1107 or HIST 1108

### **HIST 4455 - Revolutions in History**

Credit Hours: 3

A study of revolutionary thought and action

as a force in world history since ancient times. Major topics include the American and French Revolutions of the eighteenth century, the Chinese and Russian Revolutions of the early twentieth century, and a sampling of more recent revolutionary movements in representative regions of the world.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213

### **HIST 4475 - Philosophy of History**

Credit Hours: 3

A survey of the philosophical systems, both speculative and analytical, that have been advanced to evaluate humanity's historical experience. Credit in either philosophy or history.

**Prerequisite(s):** HIST 2211 or HIST 2212 or HIST 2213 or PHIL 2200

### **HIST 4498 - Senior Seminar**

Credit Hours: 3

An identification, review, and historically-oriented synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. Required of history and Social Studies Comprehensive Education majors, but open to all. When Offered: Fall semester only

**Prerequisite(s):** For history majors only-senior standing

### **HIST 4499 - Selected Topics**

Credit Hours: 3

Advanced study of topics specially selected by members of the history faculty according to student demand.

**Prerequisite(s):** Sophomore Standing and one (1) of the following courses: HIST 1107, HIST 1108, HIST 2211, HIST 2212, or HIST 2213

### **HIST 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research

strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **Health Education**

#### **HLTA 1100 - Personal Health**

Credit Hours: 2

This course examines the meaning and significance of the physical, mental, social and environmental factors of health and safety as related to the individual and to society. Students will focus on important phases of related national problems, with an emphasis on college students and their current needs.

#### **HLTA 1150 - Introduction to Health Education**

Credit Hours: 3

This course provides an in-depth study of the varied content areas relating to health, contemporary health problems and reciprocal relationships involving man, disease and the environment focusing on developing the future health professional's ability to meaningfully convey it. Students will explore the significance/interrelationship of the dimensions of wellness. of the physical, intellectual, social, emotional, spiritual, and environmental domains of health.

#### **HLTA 1199 - Special Topics in Health**

Credit Hours: 1-12

Special topics will be studied, to be determined by the instructor and approved by the Department Chair or Associate Dean. Credits earned will be applicable as free electives in degree and certificate programs.

#### **HLTA 2202 - Environmental Health**

Credit Hours: 3

This focuses on current environmental health issues such as population dynamics and interventions designed to modify the environment in order to improve human

health in schools and communities as well as the impact of humans on their environment. An examination of the ramifications of decisions regarding management of environmental resources (i.e. air, water, forests, etc.), their impact on quality of life and the role of organizations/governmental agencies involved with pollution control will be undertaken.

### **HLTA 2203 - Contemporary Drug and Behavior Issues**

Credit Hours: 3

*Writing Intensive*

This course covers the identification, analysis, and evaluation of the most critical health problems confronting our society, including drug abuse and addiction.

**Prerequisite(s):** ENGL 1102 with a letter grade of C or better

### **HLTA 2210 - Disease Etiology**

Credit Hours: 3

This course is designed to provide students with content knowledge about the social and behavioral causes of disease and relationships to health. Disease types, diagnosis, methods of transmission, prevention, and treatment will be introduced.

**Prerequisite(s):** HLTA 1150

### **HLTA 3310 - School Health Content, Curricula & Programming**

Credit Hours: 3

This course facilitates development of health education lesson building skills based on sound curricular design, contemporary needs and issues. Health education's diverse pedagogical content areas will be investigated; instructional strategies will be rehearsed. Development and expansion of students' professional health education teaching philosophy will include the impact of Whole School, Community, Child Program implementation in the school setting.

**Prerequisite(s):** HLTA 2202, HLTA 2210, and Admission to Teacher Education

### **HLTA 3315 - Healthy Sexuality**

Credit Hours: 3

This course is designed to help students

examine the many facets of human sexuality including the design and physiology of the human reproductive systems and the biological and emotional motivations associated with the sexual aspects of life. Learning opportunities will require students to consider the sociological factors involved in defining and adopting sex-roles, their relationship and impact on marriage and family planning, and trends, issues, and content necessary to effectively evaluate and utilize sexuality education methods and materials.

**Prerequisite(s):** HLTA 1150, sophomore standing or instructor approval

### **HLTA 3320 - Behavior Change Theory**

Credit Hours: 3

Students in this course will examine theories, models, and constructs related to personal, environmental, and population-based health risk and health enhancing behaviors.

**Prerequisite(s):** HLTA 2210

### **HLTA 3325 - Instructional Strategies and Planning in School Health**

Credit Hours: 3

This course is designed to cultivate the student's abilities to develop, plan and evaluate existing curricula, and to organize and plan an effective health education program based on the eight component Whole School Community, Child Programming model. Emphasis is placed on the development of Pre-K-Adult curriculum and the design of outcomes-based, developmentally appropriate instructional units.

**Prerequisite(s):** HLTA 3310

### **HLTA 3355 - Readings in Health Education**

Credit Hours: 2

This course introduces the student to literature on current School Health research, issues, strategies, and problems in the K-12 public school setting. During this course, students will investigate, discuss and synthesize findings from current research useful in developing ideas for their culminating "action research" project.

**Prerequisite(s):** HLTA 2202, HLTA 2210, and Admission to Teacher Education

**HLTA 3360 - Communication Techniques for Health Promotion**

Credit Hours: 2

This course will prepare students to communicate and advocate for school and community health education by analyzing informational needs and available resources using a variety of communication tools and techniques.

**Prerequisite(s):** HLTA 2210

**HLTA 4400 - Health Education in the Elementary School**

Credit Hours: 3

This course is designed for senior education majors completing teaching specializations in Elementary Education or School Health Education. It focuses on specific health content areas and complementary teaching strategies related to the health and developmental needs of elementary school children.

**Prerequisite(s):** EDUC 2260

**HLTA 4431 - Methods & Materials in School Health Instruction**

Credit Hours: 3

This course is designed for senior education majors completing a teaching specialization in School Health Education. It focuses on the application of instructional strategies, classroom management techniques, and performance-based assessment across different developmental levels in the public-school setting. Students are encouraged to examine teaching scenarios, foresee potential stumbling blocks and problem-solve in a variety of ways. Practical experience in the public-school setting is required.

**Prerequisite(s):** HLTA 3310, HLTA 3325, and Admission to Teacher Education

**HLTA 4440 - Health Research and Measurement Design**

Credit Hours: 3

Principles of research and measurement including research ethics, instrument construction, designing a study and an examination of concepts and strategies

involved with health education assessment.

**Prerequisite(s):** HLTA 3320

**HLTA 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**HLTA 4452 - Field Practicum in Community Health Portfolio**

Credit Hours: 1

This course is taken concurrently with HLTA 4451 and consists of developing a portfolio which showcases the students' best work during the Field Practicum. The portfolio will be aligned with National Commission for Health Education Credentialing Areas of Responsibility.

**Prerequisite(s):** HLTA 3345

**Corequisite(s):** This course is taken concurrently with HLTA 4451

**Honors**

**HONR 1100 - Honors Seminar**

Credit Hours: 1

This seminar introduces students to critical thinking in a number of disciplines and initiates them into the standards required by the Honors Program.

**HONR 2200 - Honors Mentoring**

Credit Hours: 1

The Honors Mentoring course is for Honors students serving as mentors to incoming students in the Honors Program. Honors Program Mentors help incoming students acclimate to life in college, become familiar with the processes of the Honors Program,



and become involved with the Honors community. This course may be repeated for credit. Sophomore standing required.

**Prerequisite(s):** Sophomore Standing

### **HONR 3301 - Honors Study/Travel**

Credit Hours: 3

The Honors study-travel course offers students the study of one of the world's great cities with a week-long immersion in that city. Topics vary by instructor, but the course aims to show students the interconnections of art, language, literature, theatre, history, geography, geology, music, and economics that have contributed to the life and culture of the city. In class, students study the history, culture, and mass transit system of city. In city, they see plays and concerts, visit museums and historic sites, and learn to navigate their way through the city. The course helps students to see the influence of the past on the present and the evolving future. It seeks to develop in them skills they will need in order to explore first-hand cultures and civilizations outside their own. It encourages teamwork among those taking the course as they explore the city.

### **HONR 3330 - Empowering Leadership**

Credit Hours: 3

The purpose of this course is to help prepare students to assume increasingly responsible leadership roles of empowerment in their personal, professional and academic lives. This interdisciplinary, student-centered course focuses not only on significant theories of empowering leadership and their applicability to leaders of the past and present, but also includes substantial hands-on, experiential learning opportunities in which students practice empowering leadership.

**Prerequisite(s):** ENGL 1101 (with a grade of a "C" or better)

### **HONR 3350 - Honors Seminar in Special Topics**

Credit Hours: 3

This interdisciplinary seminar explores topics of current interest and draws on the expertise of a number of faculty. Students examine the topic through a number of

disciplinary vertices to develop a rounded view of the topic. This seminar takes a problem-solution approach to the chosen topic so that students work toward potential solutions as they analyze the topic. Restricted to juniors and seniors; sophomores may be admitted with the instructor's approval. Three credits. Up to 12 credit hours Restrictions: Juniors and Seniors; Sophomores may be admitted with the instructor's approval.

### **HONR 3351 - Consumption, Consumerism, and Sustainability**

Credit Hours: 3

In this interdisciplinary seminar, students explore how/why we purchase and consume, the human behavioral patterns underlying and compelling these decisions, and the actual impact of these choices on ourselves, our communities, and the environment. Students will: establish and expand practical knowledge bases; create a productive dialogue within the class and their community, and see discourse as instrumental to progress; view themselves as ongoing and engaged citizens of the world; approach material with an open-minded and interdisciplinary methodology; and be solution-focused (even if change is incremental). No \$12 per credit hour When Offered: Fall and Spring

**Prerequisite(s):** Junior or Senior standing

### **HONR 4400 - Honors Thesis Design**

Credit Hours: 2-3

Honors students will complete this course in preparation of their Honors Senior Thesis project. The course will introduce them to different research methodologies and provide them with information about the appropriate parameters for a senior thesis project. Students will complete the preliminary work necessary for the successful completion of their Honors senior thesis, including the identification of a faculty mentor in their field and the production of a formal thesis proposal. Junior Standing Required.

**Prerequisite(s):** Junior or Senior standing

For more information on the Honors Program, contact Dr. Robin Payne, Honors Program Director  
231 Turley Center  
(304) 367-4197 or (304) 367-4758  
[rpayne4@fairmontstate.edu](mailto:rpayne4@fairmontstate.edu)

## **Human Services**

### **HUSV 1103 - Community Service Learning**

Credit Hours: 1

Community Service Learning provides opportunities for students to perform meaningful service to the community while engaging in conscious reflection and critical analysis activities which meet service learning objectives. Students are required to complete a minimum of 20 hours of quality service for a non-profit agency. The hours are completed over the course of the semester with credit given for 2 hours a week. The course is based upon an experiential learning format which includes the college, the student, and the community. Students may enroll in Community Service Learning three semesters, completing a total of 3 credit hours toward graduation requirements. Three sections of Community Service Learning are offered. Enrollment in the general section does not require instructor permission; however, enrollment in the honor's section and the America Counts' sections do require instructor permission.

## **Interdisciplinary Studies**

### **LANG 1110 - Introduction to Global Perspectives**

Credit Hours: 3

The course introduces students to global concepts, issues, and perspectives across disciplines and prepares them to research and plan for international travel experiences at Fairmont State and beyond. Students become familiar with selected examples of world issues and interact with faculty from programs across campus. The course also prepares students for international experience as part of their future studies and careers.

### **WGST 1150 - Women's and Gender Studies Colloquium**

Credit Hours: 1

The Women's and Gender Studies Colloquium introduces students to current research developments concerning women, gender, and LGDTQ citizenry in multiple disciplines, including but not limited to science, law, sociology, music, literature, popular culture, religion, and politics. Repeatable for credit

### **WGST 2201 - Introduction to Women's and Gender Studies**

Credit Hours: 3

Introduction to Women's and Gender Studies surveys a range of topics central to women's and gender studies as they intersect with history, literature, philosophy, visual media, and critical theory among others. This course provides students with a foundational vocabulary and prepares them for deeper study of these matters within their chosen specializations.

### **WGST 4402 - Capstone Seminar in Women's and Gender Studies**

Credit Hours: 3

The Capstone Seminar in Women's and Gender Studies allows students minoring in Women's and Gender Studies to design and execute a research project on topics of personal interest with a mentor specialist in that field of research.

**Prerequisite(s):** WGST 2201 Instructor Approval

## **Italian**

### **ITAL 1101 - Elementary Italian I**

Credit Hours: 3

Italian I is designed for students who have no previous instruction in Italian. The course focuses on enabling students to communicate effectively in Italian and to develop an appreciation of the Italian culture.

### **ITAL 1102 - Elementary Italian II**

Credit Hours: 3

Italian II is a continuation of Italian I, completing the basic grammatical principles of that language and

concentrating on enabling students to speak in formal and informal contexts.

**ITAL 1199 - Special Topics in Italian**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**ITAL 2201 - Intermediate Italian I**

Credit Hours: 3

This course focuses on enabling students to communicate effectively in Italian, by consolidating and expanding the vocabulary and grammar they learned in Italian 1101 and 1102, as well as introducing more sophisticated grammatical structures. The course emphasizes language as a means of understanding culture in the increasingly global world. The course also seeks a heightened understanding of everyday Italian life. The course will be taught in Italian.

**Prerequisite(s):** ITAL 1102

**ITAL 2202 - Intermediate Italian II**

Credit Hours: 3

This course is a continuation of ITAL 2201. Students actively use language and conversational skills acquired in ITAL 2201 as they examine Italian housing, environment, music, theater, art, and literature. The course will be taught in Italian.

**Prerequisite(s):** ITAL 2201

**ITAL 2299 - Special Topics in Italian**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**ITAL 3399 - Special Topics in Italian**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**Journalism**

**JOUR 1199 - Special Topics in Journalism**

Credit Hours: 1-3

Studies in special selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** ENGL 1102

**JOUR 2245 - Reporting and Multimedia News Writing**

Credit Hours: 3

This course teaches students the basics of news reporting and writing for a variety of media forms. Students will review basic grammar, learn AP Style, and learn how to apply them to news writing for media from print, broadcasting, and online forums.

**Prerequisite(s):** ENGL 1102

**JOUR 2275 - Media Literacy**

Credit Hours: 3

*Writing Intensive*

This course teaches students not only the historical background of media, but to critically analyze media content and how it affects society as a whole. Issues addressed are media conglomeration and deregulation, media bias, stereotypes in the media, media as it relates to democracy, as well as other major concepts in the field.

**Prerequisite(s):** ENGL 1102

**JOUR 2280 - History of American Journalism**

Credit Hours: 3

*Writing Intensive*

This course offers a comprehensive chronological presentation of the development of American mass media, by showing the relationship of the past to the events of today and delineating their impact on the American way of life.

Examines the American press from the seventeenth century to date and freedom of press and its present implications.

**Prerequisite(s):** ENGL 1102

**JOUR 3315 - Multimedia Publishing**

Credit Hours: 3

This course will teach students the basics of digital media design. It will familiarize students with a variety of software related to print design, photography, logo design, and web design. Terminology related to all forms of media will be addressed.

**Prerequisite(s):** ENGL 1102

### **JOUR 3330 - Writing for Multimedia**

Credit Hours: 3

This course provides students the skills to write in a variety of media formats as well as to create other multi-media projects. In addition to writing for websites, students will learn to embed video, audio, animation, and other platforms as their stories are published.

**Prerequisite(s):** JOUR 2245

### **JOUR 3335 - Photojournalism and Digital Imaging**

Credit Hours: 3

Students will not only be taught the basics of photography, but will also learn the ethical conflicts and often the dangers facing photojournalists. Since film is no longer used, students also learn how to upload and manipulate photos digitally.

### **JOUR 3343 - Journalism Internship**

Credit Hours: 3

This is the capstone course of the journalism. In this course, students are required to perform on-the-job duties during a 100-hour internship, gaining experience in a particular area of journalism, in accordance with the stated goals of the journalism program.

Assessment of student achievement of these goals will occur through both a submitted portfolio and the employer's report on the quality of the intern's work. Repeatable Restrictions: Seniors only.

**Prerequisite(s):** Instructor approval required

### **JOUR 3344 - Publications Practice**

Credit Hours: 1-3

This course provides experience with student publications. Students can work on the student newspaper, the yearbook, or the student literary and art journal.

### **JOUR 3350 - Participatory Journalism and Social Media**

Credit Hours: 3

This course develops students' abilities to report stories in a professional journalistic manner for use on the electronic media sites, including social media, blogs, and new mobile media applications. Students will learn to incorporate user-generated content (UCG).

### **JOUR 3390 - Multimedia Ethics and Law**

Credit Hours: 3

This course provides a comprehensive overview of legal and ethical issues pertaining specifically to journalism and media. In addition to case studies, students will be asked to critically analyze "real-world" dilemmas using legal and philosophical concepts.

### **Teaching English to Speakers of Other Languages**

### **LANG 3300 - Intercultural Communication**

Credit Hours: 3

This course examines the meaning, significance and impact of intercultural communication as it applies individually, nationally and globally as well as in groups and organizations. The course will explore the meaning of "culture" and its effects on perception and understanding. Both macro and micro cultural differences will be examined and the dangers of cultural misunderstanding will be explored. The course will also examine the ever-growing need for intercultural communication competence and introduce ways to increase that competence. Same Course As: COMM 3300

**Prerequisite(s):** COMM 2200 or COMM 2201 or COMM 2202

### **LANG 3301 - Theories of Language and their Application to English I**

Credit Hours: 3

This course covers the linguistic subjects of syntax, morphology, phonology, semantics and pragmatics, which provide concepts and techniques for understanding languages, with special emphasis upon English. Topics will include descriptive

versus prescriptive grammar, dialect and register, synchronic and diachronic language variation, the history of English, language acquisition, the leading theories of language, language theory and the art of composition. Required of all prospective teachers of English; to be taken before Clinic III. Same Course As: ENGL 3301

**Prerequisite(s):** ENGL 1102

**LANG 3302 - Theories of Language and their Application to English II**

Credit Hours: 3

Continuation of ENGL 3301, emphasizing practical applications to teaching writing and grammar in grades 5-12. Required of all prospective teachers of English; to be taken before Clinic III. Same Course As: ENGL 3302

**Prerequisite(s):** LANG 3301

**LANG 4431 - Teaching English to Speakers of Other Languages**

Credit Hours: 3

The study and practice in teaching the English language to nonnative speakers, grades 5-Adult. Same Course As: FREN 4431 and SPAN 4431

**Prerequisite(s):** FREN 2202 or SPAN 2202 or ITAL 2202 and LANG 3300 and LANG 3302

**LANG 4432 - Teaching English to Speakers of Other Languages Practicum**

Credit Hours: 3

Student will prepare lessons and teach English to speakers of other languages under the supervision of college personnel for a minimum of 60 hours. Emphasis will be on speaking, reading, writing, and listening skills.

**Prerequisite(s):** LANG 4431

**Manufacturing Engineering Technology**

**MANF 1100 - Materials and Processes**

Credit Hours: 3

This course covers the scientific concepts underlying the basic, procurement, process, fabrication and finishing industries while studying the physical and chemical properties of the organic and inorganic materials utilized in today's industrial complex.

**MANF 1199 - Special Topics in Manufacturing Engineering Technology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**MANF 2205 - Engineering Economy**

Credit Hours: 3

Techniques of engineering economy as related to cost, design and selection of materials.

**Prerequisite(s):** MATH 1520 or math equivalent

**MANF 2250 - Total Quality & SPC**

Credit Hours: 3

The purpose of this course is to introduce students to concepts related to total quality management and statistical process control. Topics include the total quality concept, the contributions of W. Edwards Deming, quality and competitiveness, establishing a customer focus, leadership and teamwork, decision-making and problem solving, foundations of statistical process control and continuous improvement.

**Math**

**MATH 1199 - Special Topics in Mathematics**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**MATH 1407 - Fundamental Concepts of Mathematics with Support**

Credit Hours: 4

This course fulfills the same requirements as MATH 1507: Fundamental Concepts of Mathematics and is intended for students who do not meet the pre-requisites for MATH 1507. The course will cover all content included in MATH 1507, as well as provide integrated academic support. This introductory survey course is specifically designed to fulfill General Studies

requirements for quantitative literacy. It is designed to strengthen computational skills while focusing on real-world problems. Topics may include critical thinking skills, sequences, set theory, logic, probability, statistics, and consumer mathematics. The course will also review pre-requisite topics, such as order of operations, exponents, and linear equations, as deemed necessary. In addition to lecture and discussion, this course will utilize computer-assisted work, group activities, and math manipulatives to reinforce concepts and engage students. This course meets for five hours each week. No student may receive credit for BOTH MATH 1407 and MATH 1507. MATH 1407~^

**Prerequisite(s):** Admission into Fairmont State. There are no minimum test score requirements for this course  
Transferable General Studies Course  
^MATH 1407~

### **MATH 1410 - Applied Mathematics I-Enhanced**

Credit Hours: 4

This course is an elementary introduction to fundamental mechanics and techniques for performing operations with algebraic expressions, factoring, solving linear equations and systems of linear equations, graphing functions and relations, as well as using trigonometric functions and applying them to solve triangles and problems involving vectors. The course will provide students with enhanced support to reintroduce and reinforce fundamental concepts from geometry, algebra, arithmetic, and trigonometry. Same Course As: MATH 1510

### **MATH 1430 - College Algebra with Support**

Credit Hours: 4

This course fulfills the same requirements as MATH 1530 - College Algebra and is intended for students who do not meet the prerequisites for MATH 1530. The course will cover all content included in MATH 1530, as well as provide integrated academic support. This course includes the study of real numbers, complex numbers,

algebraic expressions, equations and inequalities, functions and function operations, composition of functions, inverse functions, graphing and transformation of functions, exponents and radicals, quadratic, exponential, and logarithmic functions, and applications. It will also reinforce fundamental algebraic concepts and review pre-requisite topics, such as evaluating expressions, graphing and functions, linear equations, factoring, and geometric concepts, as deemed necessary. This course will utilize lectures, discussions, computer-assisted work, group activities, and math manipulatives to reinforce concepts and engage students. This course meets for five hours each week. No student may receive credit for BOTH MATH 1430 and MATH 1530. MATH 1430~^

**Prerequisite(s):** Admission into Fairmont State. There are no minimum test score requirements for this course.  
Transferable General Studies Course  
^MATH 1430~

### **MATH 1507 - Fundamental Concepts of Mathematics**

Credit Hours: 3

This introductory survey course is specifically designed to fulfill the General Studies requirements for quantitative literacy. It is designed to strengthen computational skills while focusing on real-world problems. Topics may include critical thinking skills, sequences, set theory, logical reasoning, probability, descriptive statistics, number sense, and consumer mathematics. No student may receive credit for both MATH 1407 and MATH 1507. MATH 1507~^

**Prerequisite(s):** Math ACT  $\geq 19$  or Math SAT-1  $\geq 460$  or SAT (new) Math  $\geq 510$  or ACCUPLACER Next Gen QAS  $\geq 250$  or MATH 1430. No student may receive credit for BOTH MATH 1407 AND MATH 1507  
Transferable General Studies Course  
^MATH 1507~

### **MATH 1510 - Applied Technical Mathematics I**

Credit Hours: 3

This course is an introduction to fundamental mechanics and techniques for performing operations with algebraic expressions, and subsequently solving linear equations, systems of linear equations and quadratic equations. The course also introduces trigonometric functions and is designed to develop methods of solving triangles and oblique triangles using trigonometry. Same Course As: MATH 1410

**Prerequisite(s):** Math ACT  $\geq 19$  or Math SAT-1  $\geq 460$  or SAT (new) Math  $\geq 510$  or ACCUPLACER Next Gen QAS  $\geq 250$  or MATH 1400

### **MATH 1520 - Applied Technical Mathematics II**

Credit Hours: 3

This course is a continuation of MATH 1510. Topics include solving radical equations and polynomial equations, complex numbers, exponential and logarithmic functions, inequalities and trigonometry. Restrictions: MAJORS in the College of Science and Technology.

**Prerequisite(s):** MATH 1510 with a "C" or better or MATH 1101 with a C or better

### **MATH 1530 - College Algebra**

Credit Hours: 3

This course includes the study of real numbers, complex numbers, algebraic expressions, equations and inequalities, linear systems of equations, functions and function operations, composition of functions, inverse functions, graphing and transformations of functions, exponents and radicals, quadratic, exponential, and logarithmic functions, and applications. No student shall receive credit for both MATH 1430 and MATH 1530. MATH 1530~^

**Prerequisite(s):** Math ACT  $\geq 21$  or Math SAT-1  $\geq 500$  or SAT (new) Math  $\geq 530$  or ACCUPLACER Next Gen QAS  $\geq 260$  No student may receive credit for BOTH MATH 1430 and MATH 1530.

Transferable General Studies Course  
^MATH 1530~

### **MATH 1540 - Trigonometry**

Credit Hours: 3

This course is taught using the triangle, unit

circle, graphic, and algebraic models for Trigonometry. It includes a study of trigonometric functions and applications, trigonometric identities, solving equations involving trig functions, graphs of trig functions, inverse trig functions, and other related topics. MATH 1540~^

**Prerequisite(s):** Math ACT  $\geq 23$  or Math SAT-1  $\geq 540$  or SAT (new) Math  $\geq 560$  or ACCUPLACER Next Gen AAF  $\geq 252$  or MATH 1430 "C or better" or MATH 1530 "C or better" or MATH 1112 "C or better." Transferable General Studies Course  
^MATH 1540~

### **MATH 1550 - Applied Statistics**

Credit Hours: 3

This course is an introduction to statistics with appropriate applications. Topics covered include descriptive statistics, probability, binomial distribution, normal distribution, sampling, hypothesis testing and regression and correlation. A problem-solving approach and modern software will be used.

**Prerequisite(s):** Math ACT  $\geq 21$  or Math SAT-1  $\geq 500$  or SAT (new) Math  $\geq 530$  or ACCUPLACER Next Gen QAS  $\geq 260$  or MATH 1102 or MATH 1112 or MATH 1430 or MATH 1520 or MATH 1530

### **MATH 1561 - Mathematical Reasoning**

Credit Hours: 3

This course is designed to help students transition into upper-level college mathematics. Students will learn how to reason mathematically by reading and writing using technical mathematical terminology. Topics covered include basic set theory, mathematical logic, basic methods of proof including mathematical induction, properties of the field of real numbers, basic number theory and function notions, as well as sequences and series.

**Prerequisite(s):** Math ACT  $\geq 24$  or Math SAT-1  $\geq 560$  or SAT (new) Math  $\geq 580$  or ACCUPLACER Next Gen AAF  $\geq 268$  or MATH 1115 "C or better" or MATH 1540 "C or better" or (MATH 2251 and 2252 "C or better") or (MATH 2551 and 2552 "C or better")

**MATH 2299 - Special Topics in Mathematics**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** Courses with this number must have a prerequisite of MATH 2501 (Calculus I) or MATH 1561 (Introduction to Mathematical Reasoning) or greater.

**MATH 2501 - Calculus I**

Credit Hours: 4

This course is the calculus of one variable, beginning with an intuitive study of limits and a geometric interpretation of the derivative. Topics include differentiation of functions and the application of the derivative to graphing functions, approximating functions, solving max/min problems and related rate problems, anti-differentiation and its link to the signed area under a curve, the fundamental theorem of calculus and applications of the definite integral. MATH 2501~^

**Prerequisite(s):** Math ACT  $\geq 25$  or Math SAT-1  $\geq 570$  or SAT (new) Math  $\geq 590$  or ACCUPLACER Next Gen AAF  $\geq 276$  or MATH 1115 or MATH 1540 or MATH 1186 or MATH 1586  
Transferable General Studies Course  
^MATH 2501~

**MATH 2502 - Calculus II**

Credit Hours: 4

This course is a continuation of MATH 2501. Topics include applications of the definite integral, exponential and logarithmic functions, inverse trigonometric functions, techniques of integration, conic sections, plane curves and polar coordinates, limits involving indeterminate forms, improper integrals, sequences, and infinite series.

**Prerequisite(s):** MATH 1190 or MATH 2501

**MATH 2510 - Mathematical Logic**

Credit Hours: 3

This course covers sentential and general theory of inference, theory of proof and definition and elementary intuitive set

theory. When Offered: Spring semester only

**Prerequisite(s):** MATH 1170 or MATH 1561 or MATH 1125

**MATH 2520 - Number Theory**

Credit Hours: 3

Topics include prime numbers, the unique factorization theorem, congruences, Diophantine equations, primitive roots and the quadratic reciprocity theorem. When Offered: Spring Semester Even Years Only

**Prerequisite(s):** MATH 1190 or MATH 2501

**MATH 2541 - Fundamentals of Data Science**

Credit Hours: 3

This course covers mathematical structures crucial for data scientists. Topics include set theory, essentials of matrices, graphs and trees, and a treatment of some useful probability concepts. All topics will be paired with appropriate software. When Offered: Spring Same Course As: COMP 2541

**Prerequisite(s):** MATH 1550 and COMP 1110

**MATH 2542 - Applied Data Science**

Credit Hours: 3

This course provides an overview of data science, introduces the different steps involved in data science, and provides the students hands-on experience with tools and methods. Topics include data acquisition and cleaning, data processing, data organization and management, data analysis, data visualization, data warehousing, and data security/privacy.

When Offered: Fall Same Course As: COMP 2542

**Prerequisite(s):** MATH 1550 and COMP 1110

**MATH 2551 - Structure of the Real Numbers**

Credit Hours: 3

This course starts with basic concepts of sets and continues with properties of operations and a logical development of the set of real numbers. Beginning number theory concepts and an introduction to probability are also included. This course connects structure to prior math



knowledge and real-world applications.

**Prerequisite(s):** Math ACT  $\geq$  23 or Math SAT-1  $\geq$  540 or SAT (new) Math  $\geq$  560 or ACCUPLACER Next Gen AAF  $\geq$  252 or MATH 1112 or MATH 1430 or MATH 1530. Admission to Teacher Education.

### **MATH 2552 - Data Analysis and Geometry**

Credit Hours: 3

This course offers an introduction to data analysis and statistics and the study of geometry. Included is descriptive statistics, a discussion of matrices, standard and non-standard measurement, a formal and informal approach to geometry, van Hiele levels, and the use of dynamic geometry software, and real-world applications of these topics.

**Prerequisite(s):** Math ACT  $\geq$  23 or Math SAT-1  $\geq$  540 or SAT (new) Math  $\geq$  560 or ACCUPLACER Next Gen AAF  $\geq$  252 or MATH 1112 or MATH 1430 or MATH 1530

### **MATH 2554 - Topics in Math History**

Credit Hours: 2

This course is designed to provide students with an overview of the historical development and perspectives of number, number systems, quantity, algebra, geometry, trigonometry, statistics, probability, calculus, and discrete mathematics, including contributions of significant figures and diverse cultures. When Offered: Spring semester only

**Prerequisite(s):** MATH 2501

### **MATH 2562 - Introduction to Discrete Mathematics**

Credit Hours: 3

This course is designed to provide a survey of the reasoning and objects of study found in discrete mathematics. Topics considered include sets, relations, functions, combinatorics, graphs, trees, discrete probability, algorithms, and recurrence relations. Interspersed throughout the course will be material on the nature of proofs.

**Prerequisite(s):** MATH 1170 or MATH 1125 or MATH 1561

### **MATH 2563 - Transition to Higher Mathematics**

Credit Hours: 3

The goal of this course is to transition the student into the more formal and proof-oriented world of advanced mathematics. The focus of the course will be developing the requisite skills needed to write an effective and elegant proof. The course will use as its means of approaching proofs the subjects of number theory, relations, and functions. When Offered: Fall semester only

**Prerequisite(s):** (MATH 1170 or MATH 1561 or MATH 1125) and MATH 1190/MATH 2501

### **MATH 3399 - Special Topics in Mathematics**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** Courses with this number must have a prerequisite of MATH 2502 (Calculus II) or both MATH 2501 (Calculus I) and MATH 1561 (Introduction to Mathematical Reasoning) or greater.

### **MATH 3503 - Calculus III**

Credit Hours: 4

This course is a continuation of MATH 2502 and covers the calculus of two or more independent variables. Topics include basic vector properties, partial derivatives, double and triple integration, and vector calculus. When Offered: Fall semester only

**Prerequisite(s):** MATH 3315 or MATH 2502

### **MATH 3504 - Differential Equations**

Credit Hours: 3

A study of first-order and simple higher-order ordinary differential equations and their applications, linear differential equations with constant coefficients and their application, simultaneous differential equations and their applications, the numerical solution of differential equations and solution of differential equations by use of series. When Offered: Spring Semester Odd Years Only

**Prerequisite(s):** MATH 3315 or MATH 2502

**MATH 3520 - Linear Algebra**

Credit Hours: 3

This course covers vector spaces abstractly defined, linear dependence and independence, bases and subspaces, dimension of linear space, linear mappings, kernel and image of maps, rank of maps, linear maps as vector spaces, composition of mappings and multiplication of matrices, the relation between linear mappings and systems of linear equations, row reduced echelon matrix, invertible matrices, calculation of inverse, linear inequalities and half spaces.

When Offered: Fall Semester Only

**Prerequisite(s):** MATH 3315 or MATH 2502.

**MATH 3550 - Probability**

Credit Hours: 3

This course will cover undergraduate probability theory from both discrete and calculus perspectives. Topics will include basic combinatorics, the axioms of probability, conditional probability, discrete and continuous random variables (including numerous examples of each), joint distributions, and limit theorems.

When Offered: Spring semester only

**Prerequisite(s):** MATH 2502 OR concurrent enrollment in MATH 2502

**MATH 3553 - Math Methods for Elementary Teachers**

Credit Hours: 3

This course is designed to prepare pre-service elementary school teachers to teach mathematics. Students will study tools for teaching mathematics, math teaching strategies, current topics in math education, problem solving and reasoning, and assessment. Numerous laboratory experiences are required such as microteaching and construction of a NCTM Standards-based unit.

**Prerequisite(s):** (MATH 2251 or MATH 2551) and (MATH 2252 or MATH 2552) and EDUC 2260 with a C or better and Admission to Teacher Education

**MATH 3570 - Modern Geometry**

Credit Hours: 3

A brief review of informal Euclidean geometry, including areas and volumes. The course will also include a formal

development of Euclidean geometry using a transformation approach; concepts such as incidence, non-Euclidean geometry and finite geometries are introduced.

When Offered: Fall Semester Even Years Only

**Prerequisite(s):** (MATH 1125 or MATH 1561) and (MATH 1190 or MATH 2501)

**MATH 4400 - Seminar**

Credit Hours: 1-3

**Prerequisite(s):** Instructor approval required

**MATH 4499 - Special Topics in Mathematics**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** Courses with this number must have a prerequisite of MATH 2502 (Calculus II) and MATH 2563 (Transition to Higher Mathematics) or greater

**MATH 4510 - Data Science Capstone**

Credit Hours: 3

The focus of this course is on preparing students for the workforce through a large-scale project generated either internally or through contacts with local or regional industry. In the process, students will learn about advanced Data Science topics like big data analysis, distributed data analytics, data warehousing, predictive modeling, and simulations. When Offered: On demand. Same Course As: COMP 4510

**MATH 4520 - Abstract Algebra**

Credit Hours: 3

*Writing Intensive*

Topics include sets, relations, functions, operations, algebraic systems such as integers, rationals and matrices, isomorphism and examples. Students will examine equivalence classes, groups, subgroups, cyclic groups, basic theorems, Lagrange's theorem, homomorphism, normal subgroups, quotient group, the isomorphism theorems, rings, integers, matrices, polynomials, integral domains, and fields. The course will also cover various topics of rings. When Offered:

Spring Semester Only

**Prerequisite(s):** MATH 2563 AND (ENGL 1102 or ENGL 1103)

**MATH 4531 - Methods and Materials in Teaching Mathematics**

Credit Hours: 3

This course is designed for senior education majors with a math teaching specialization in either grades 5-Adult or 5-9. The study of mathematics curricula and methods at the middle and high school levels includes topics in number, algebra, geometry, trigonometry, statistics, probability, calculus, and discrete mathematics. Numerous laboratory experiences such as microteaching and math tutoring are required. Math 5-9 and 5-Adult must complete this course prior to enrolling in Secondary Student Teaching/Clinical III. When Offered: Fall Semester Only

**Prerequisite(s):** Admission to Teacher Education

**MATH 4580 - Topology**

Credit Hours: 3

This course consists of the study of topological spaces and notions, including continuity, convergence, separation, compactness and connectedness. When Offered: Spring Semester Odd Years Only

**Prerequisite(s):** (MATH 2212 or MATH 2563) and (MATH 3316 or MATH 3503)

**MATH 4590 - Real Analysis**

Credit Hours: 3

Covers real numbers, topology of the reals, infinite series, continuous functions, sequences and series of functions, differentiation, integration and power series. When Offered: Spring Semester Even Years Only

**Prerequisite(s):** (MATH 2212 or MATH 2563) and (MATH 3316 or MATH 3503)

**MATH 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with

each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable.

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Mechanical Engineering Technology**

**MECH 1100 - Statics**

Credit Hours: 3

The study of force systems that act on rigid bodies in static equilibrium. Topics of study include the analysis of coplanar and noncoplanar force systems using analytical and graphical methods.

**Prerequisite(s):** MATH 1520 or math equivalent

**MECH 1199 - Special Topics in Mechanical Engineering Technology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**MECH 2200 - Strength of Materials**

Credit Hours: 4

The analysis of stress and deformation of deformable bodies under the action of forces. Students will examine the design and selection of tension and compression members, shafts and beams, stress and strain, Hook's Law, mechanical properties of engineering materials, torsion, bending and buckling theory.

**Prerequisite(s):** MECH 1100 with a C or better in both

**MECH 2210 - Thermodynamics I**

Credit Hours: 3

An introduction to the thermodynamic laws of conservation of mass and energy. Students will explore applications in the analysis of energy sources, transformations and utilizations.

**Prerequisite(s):** MECH 1100 with a C or better

**MECH 2220 - Fluid Mechanics**

Credit Hours: 3

A study of the mechanics of fluid systems. Topics include fluid statics and dynamics, dimensional analysis and similitude, steady flow of incompressible fluids in pipes, ducts, and open channels, steady flow of compressible fluids over surfaces and about immersed bodies and turbomachinery.

**Prerequisite(s):** TECH 2290 or math equivalent

**MECH 2240 - Machine Design I**

Credit Hours: 3

Application of the principles of mechanics to the design and selection of machine components. Topics of study include beams, columns, shafts, gears, bearings, belts, brakes, and springs. Design projects will be assigned and computer solutions will be utilized.

**Prerequisite(s):** MECH 2200

**MECH 3300 - Thermodynamics II**

Credit Hours: 3

A continuation of the study of thermodynamics, with special emphasis on equations of state, calorimetry, processes, heat engines and the Second Law of Thermodynamics. Topics include PVT relationships of pure substances, caloric equations of state, properties of multi-phase substances, processes of compressible and incompressible gases, liquids, solids, and multi-phase substances, the Carnot heat engine, entropy, refrigeration and heat pump cycle, the Third Law of Thermodynamics and the analysis of Carnot cycles.

**Prerequisite(s):** MECH 2210

**MECH 3320 - Dynamics**

Credit Hours: 3

The study of Newtonian dynamics of particles and rigid bodies in plane motion. Topics include Kinematics, Newton's Laws, work and energy principles and impulse momentum. Restrictions: Baccalaureate majors only.

**Prerequisite(s):** MECH 1100 and TECH 3300 or math equivalent

**MECH 3330 - Heat Transfer I**

Credit Hours: 3

A study of heat energy interactions in solids, liquids, and gases. Topics include fundamental laws of conduction, convection and radiation heat transfer.

Restrictions: Baccalaureate majors only.

**Prerequisite(s):** PHYS 1102, TECH 3300 or math equivalent

**MECH 3340 - Heating, Air Conditioning and Ventilation**

Credit Hours: 3

A study of the principles of fluid mechanics, thermodynamics and heat transfer as applied to HVAC systems. Topics include: heating and cooling load calculations, heating, air conditioning and refrigeration systems; automatic controls; heat pumps for heating and cooling; solar heating and cooling systems.

**Prerequisite(s):** MECH 2220, MECH 3300, and MECH 3330

**MECH 3350 - Numerical Methods**

Credit Hours: 3

A study of numerical methods, with application to the formulation and solution of engineering problems. Topics include mathematical modeling, engineering problem solving, roots and equations, curve fitting, numerical integration and ordinary differential equations. Digital computers and software are used extensively.

**Prerequisite(s):** COMP 1110, PHYS 1101, and either TECH 2290 or math equivalent

**MECH 4400 - Mechanical Measurements**

Credit Hours: 3

*Writing Intensive.*

This course is a study of the measurement of motion, force, torque, power, temperature, pressure, fluid flow, and strain. Topics include direct and indirect measurement, sensor theory of operation and selection, curve fitting and data analysis. A Writing Intensive experience will be included in this course through multiple writing assignments including laboratory and design reports.

**Prerequisite(s):** ENGL 1103, MECH 3320 or  
**Corequisite(s):** MECH 3320

**MECH 4410 - Thermodynamics III**

Credit Hours: 3

A continuation of the study of thermodynamics, with special emphasis upon application to heat, power and refrigeration systems. Topics include energy availability and irreversibility in open and closed thermodynamic systems, mixtures of gases and vapors, reactive systems, internal and external combustion power cycles, reversed cycles and flow through nozzles and diffusers.

**Prerequisite(s):** MECH 3300

**MECH 4430 - Heat Transfer II**

Credit Hours: 3

A continuing study of conduction, convection, and radiation heat transfer, with emphasis on application to residential, commercial and industrial and heat exchanger design. Topics include steady-stated transient heat conductions, free and forced heat convection, condensing and boiling heat transfer, radiation, transfer by combined mechanisms, numerical and analog methods.

**Prerequisite(s):** MECH 3330

**MECH 4440 - Engineering Systems Design Laboratory**

Credit Hours: 3

A study of analog, digital and mixed engineering systems, similitude of mechanical and electrical engineering systems, dimensional analysis and theory of models.

**Prerequisite(s):** MECH 3300, MECH 3320

**MECH 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or

investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

**Management**

**MGMT 3308 - Human Resource Management**

Credit Hours: 3

A study of the field of personnel management and industrial relations, including its background, development and modern practices.

**Prerequisite(s):** BSBA 2209

**MGMT 3350 - Small Business Management**

Credit Hours: 3

This course is an integrated course designed to familiarize students with small business dynamics involving accounting, finance, marketing, and management disciplines. Students analyze personal strengths and weaknesses relative to launching an entrepreneurial career. Attention is given to planning, financing, starting, and managing a new business. Students will be required to develop and present a business plan for a new venture either individually or as a member of a team.

**Prerequisite(s):** BSBA 2204; BSBA 2209; BSBA 2221

**MGMT 3371 - Employee Relations**

Credit Hours: 3

This course examines the dynamics of employee-management relations, with emphasis on unions. Emphasis on methods of reducing employee-management conflict, understanding the grievance process and the role of arbitration and the role of government in the employee-relations process.

**MGMT 3372 - Human Resource Selection and Evaluation**

Credit Hours: 3

An in-depth study of legal, methodological, and substantive issues related to selection and performance

appraisal of employees. Focus areas include concepts of job analysis, validation, test development and administration, adverse impact analysis and affirmative action.

**Prerequisite(s):** MGMT 3308

### **MGMT 3390 - Organizational Behavior**

Credit Hours: 3

The purpose of this course is to introduce the student to the problems of human behavior in the organizational setting and the approaches available for solving these problems. Students will examine theories of individual, interpersonal and group behavior in organizations, and will follow this with considerations of how organizations may be designed to utilize the talents of the individuals, and how managers may make use of the theories of motivation, communication and interaction in accomplishing the objectives of the organization.

**Prerequisite(s):** BSBA 2209, BISM 2800

### **MGMT 3500 - Project Management**

Credit Hours: 3

This course provides an introduction to formal project management concepts and techniques. Students will learn the Project Management process areas and Knowledge Management areas as published by the Project Management Institute (PMI) within the Project Management Body of Knowledge (PMBOK). The project outputs and required documentation for each process area are emphasized. The project management concepts and techniques presented in the course will be applied to manage a project within a business context.

**Prerequisite(s):** BSBA 2209 Principles of Management

### **MGMT 4400 - Organizational Theory and Design**

Credit Hours: 3

This course is designed to provide students with an awareness of how organizations are designed and structured. Emphasis is placed on structural characteristics of organizations, how to shape those characteristics and

understanding their influences on the organization.

**Prerequisite(s):** BSBA 2209

### **MGMT 4402 - Organizational Change and Development**

Credit Hours: 3

The course uses an experiential learning approach that provides potential and practicing managers with behavioral science intervention theory and methods for improving organizational performance. The students' work will focus on planned change of organizational cultures and processes such as communication, team building, roles, conflict and structure, with the aim of enhancing management behavior, human resources and productivity.

**Prerequisite(s):** MGMT 3308, MGMT 3390

### **MGMT 4405 - Operations Management**

Credit Hours: 3

This course introduces students to various elements in the field of operations management. It covers the most common production and operations concepts encountered in modern production systems. Students will learn certain quantitative and statistical techniques that help evaluate the management of the firm's operations and performance.

**Prerequisite(s):** BSBA 3310, BSBA 2209

### **MGMT 4409 - Quantitative Management**

Credit Hours: 3

This course introduces mathematical models and quantitative skills important for analysis-driven decision-making in business and management. Example topics include: probability concepts and applications, decision analysis, regression models, forecasting, linear optimization, and decisions under uncertainty.

**Prerequisite(s):** (BISM 1500, BSBA 3310)

### **MGMT 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with

each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **Marketing**

### **MKTG 3305 - Supply Chain Management**

Credit Hours: 3

The purpose of this course is to help students understand specific issues involved in distribution and logistics management. Systematic approaches to the formulation of distribution and logistical strategies will be discussed.

**Prerequisite(s):** BSBA 2204

### **MKTG 3310 - Consumer Behavior**

Credit Hours: 3

A study of the activities, behaviors and processes exhibited by consumers, directly involving the selection, procurement, consumption and disposition of products and services.

**Prerequisite(s):** BSBA 2204

### **MKTG 3320 - Advertising and Sales Promotion**

Credit Hours: 3

This is a survey course of social, psychological and some technical aspects of advertising and sales promotion for both business and journalism students.

**Prerequisite(s):** BSBA 2204

### **MKTG 3340 - Marketing Research**

Credit Hours: 3

This course is designed to introduce students to the nature and scope of market research and its role in designing and implementing successful market programs. Among the topics covered are the market research process, research design, data collection and analysis. Basic and advanced statistics techniques will be discussed in detail, with emphasis on explaining the procedures, interpreting the

results and uncovering the managerial implications.

**Prerequisite(s):** BSBA 3310, BSBA 2204

### **MKTG 3370 - Digital Marketing**

Credit Hours: 3

This course is designed to introduce students to theoretical constructs related to the virtual marketplace and how it is necessary to adapt to its many changes. This course will equip students with the skills they will need to perform vital daily digital marketing functions. Students will explore various digital tools used in marketing such as websites, social media, and email marketing. When Offered: Fall only

**Prerequisite(s):** BSBA 2204

### **MKTG 3399 - Special Topics in Marketing**

Credit Hours: 1-6

This is an advanced studies course in special select marketing topics, to be determined by the instructor and approved by the Dean.

**Prerequisite(s):** 12 credit hours in Marketing

### **MKTG 3400 - Selling and Sales Management**

Credit Hours: 3

This course is a study of techniques appropriate to personal selling and managing salespeople, both retail and contract. Students are given opportunities to construct and give presentations.

**Prerequisite(s):** BSBA 2204, COMM 2202

### **MKTG 3500 - New Product Decisions**

Credit Hours: 3

This course is designed to introduce students to the issues, strategies, and approaches related to developing, evaluating, and introducing new products (goods and services). Among the topics covered are; identifying and evaluating market opportunities, assessing the values of products to potential customers, forecasting market demand, and preparing new product launch strategies and plans.

**Prerequisite(s):** BSBA 2204

### **MKTG 4450 - Marketing Management**

Credit Hours: 3

This course is designed to provide a more

in-depth study of marketing theory and processes. Emphasis will be placed on the analysis and decision-making processes required of marketing managers.

**Prerequisite(s):** MKTG 3310, MKTG 3320, MKTG 3340

### **MKTG 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Music**

### **MUSI 1100 - Introduction to Music Education**

Credit Hours: 1

This course is a seminar-style overview of the field of music education. Topics of discussion include philosophies, teaching methods, administration, technology and historical background. When Offered: Fall, odd years only Restrictions: Music majors and Music Education majors only.

### **MUSI 1101 - Concerts, Recitals, and Seminars**

Credit Hours: 0

This course is designed to provide concert attendance experience and performance opportunities for music majors and minors, as well as professional information that may not be covered in class. This course is required of all music students each semester except when student teaching. Consult the Department of Music Handbook for specific information.

Repeatable Restrictions: Music, Music Education majors and Music minors

### **MUSI 1104 - Functional Piano I**

Credit Hours: 1

This course is required of all students majoring or minoring in music. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. When Offered: Fall semester only

### **MUSI 1112 - Piano Ensemble**

Credit Hours: 1

Open to students with some piano experience, this course is designed to provide students an opportunity to play in a small ensemble setting. Students will experience a wide variety of styles of literature including arrangements of historically well-known and contemporary orchestral and vocal pieces for keyboard ensemble. Ensemble meets on a regular rehearsal schedule under faculty direction. Repeatable

**Prerequisite(s):** Instructor approval required

### **MUSI 1113 - Intro to Written Theory**

Credit Hours: 3

This course will review music fundamentals including fluency in treble and bass clef, major and minor scales, key signatures, time signatures, and intervals. The class will then focus on the principles of voice leading, harmonic progression, melody harmonization, non-chord tones, cadences, and simple tonal analysis. When Offered: Fall semester only

**Corequisite(s):** This course will run concurrently with MUSI 1114, Aural Skills I

### **MUSI 1120 - Music Appreciation**

Credit Hours: 3

An introduction to Western music, the music of other cultures and styles of popular music. Students are encouraged to develop their own perspectives, talents, listening/critical skills, and appreciation for the musical interests of others. Attendance at live performances outside of class time will be required. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
MUSI 1120~



**MUSI 1122 - Intro to Aural Theory**

Credit Hours: 3

This course will introduce students to the fundamentals of aural skills including solfege singing in major and minor, simple rhythm chanting in duple and compound meters, interval recognition from major and minor scales, triad and seventh chord recognition, melodic dictation and error detection. Specific emphasis is placed on proper intonation. This course uses a moveable "do" solfege system. Students will also use their aural skills to critique professional music recordings. When Offered: Spring Only

**MUSI 1160 - Applied Music I**

Credit Hours: 2

This is a repeatable freshman/sophomore-level required course providing one-on-one private music lessons to the music major. Two credit hours equal one one-hour private lesson per week. Students must consult with the instructor for an assigned lesson time during the first week of classes. Music majors who have not passed the Sophomore Evaluation in the Music program will continue to take lessons at this level until they have passed the Sophomore Evaluation. repeatable  
Restrictions: Music, Music Education Majors; music minors with permission of the instructor.

**MUSI 1167 - Collegiate Singers**

Credit Hours: 1

A large mixed chorus open to all students. The Collegiates perform literature from the Renaissance to modern and popular styles. Activities include one or two performances per semester and a spring tour in odd years. Repeatable

**MUSI 1168 - Marching Band**

Credit Hours: 2

Open to students who play a band instrument or have the necessary skills to participate in one of the auxiliary units such as flags, rifles, or twirlers. The Marching Band performs at all home football games during the fall semester and at various marching band activities such as parades and festivals. Repeatable When Offered: Fall semester only

**MUSI 1169 - Wind Ensemble**

Credit Hours: 1

The Wind Ensemble is a group of wind and percussion students performing the highest quality literature for the wind band medium in order to develop individual aesthetic sensitivity and awareness. Emphasis is on the development of individual and ensemble musicianship and performance skills through the study of diverse and fine literature for wind instruments. Wind Ensemble is a one-credit course and performs two concerts a semester. Open to all students who play wind or percussion instruments. Repeatable When Offered: Spring semester only

**MUSI 2206 - Intro to Music History**

Credit Hours: 3

A chronological survey of the history and literature of Western art music, designed for the music major and minor, covering major developments in music history from antiquity to present. The purpose of the course is to provide a broad understanding of key styles and forms, as well as to introduce contemporary music research methods. When Offered: Fall Semester only  
Restrictions: Music majors and minors only.

**MUSI 3305 - Ethnomusicology**

Credit Hours: 3

This course explores the music of the world with a focus on cultural and social contexts. Students will learn about musical meaning, musical communication, and tradition in Western and non-Western cultures, and the ways in which globalization impacts music-making. Students will learn ethnographic methods, conduct ethnographic research, and complete a final paper based on their research.

**MUSI 3306 - Music Business**

Credit Hours: 3

This course introduces students to the theoretical and practical concepts required to understand and participate in the music industry. Students will learn about event production, performance and recording contracts, print and radio promotion, copyright law, music publishing, music

labels, streaming rights, and social media marketing. Upon completion of this course, students will be able to interpret, analyze, and summarize ethical, financial, and legal issues in the music industry.

## **Museum Studies**

### **MUSM 1100 - Introduction to Museums**

Credit Hours: 3

This course will introduce students to the various types of museums (historical, art, historic site/house, representational, etc.), as well as presenting a general overview of museum operations (programming, fundraising, grant writing, volunteer management, interpretation, exhibit design and construction, personnel training and management, collections management and museum networking).

### **MUSM 2150 - Folk Arts**

Credit Hours: 3

This studio course is designed to give students a hands-on learning approach to the historical understanding and making of traditional/historical folk arts. Various materials will be used including fiber, wood, metal, paper, natural materials, and more to explore weaving/quilting, carving, tinsmithing/metal tooling, marbling/book binding/band box construction, doll making, and other traditional folk arts and crafts. An element of research will also be included in this course. This course, as a component of the Museum Studies program, will emphasize the application of folk-art making skills to that of museum interpretation. Also listed as MUSM 2150. Same Course As: Also listed as FOLK 2150.

### **MUSM 3210 - Museum Interpretation and Education**

Credit Hours: 3

This course will explore the various avenues by which the context of a given museum may be interpreted to the public visitor, researcher, and school children groups, as well as training and mission statement interpretation to the museum staff, administration, volunteer organization students, interns, etc. that may be involved with the museum operation. Various avenues of actual interpretation will include

the use of the museum facilities (buildings, artifacts, publications, etc.), as well as the various aspects of oral interpretation (first person role play, costumed interpreter/demonstrator, third person/costumed or not, etc.). The course will also allow students to explore all types of museum educational programming and concepts with special emphasis on children's visitation, special events, adult programming, lecture series, fairs and festivals, visiting presenters, outreach education, etc. Special attention will be drawn to the various educational techniques and tools used as well as evaluation processes. The design and publication of museum materials (handbooks, exhibit cards, exhibition catalogues, research and information books, journals, newsletters, etc.) will be covered in this course also. A major goal of this course will be to establish understandings of museum/school relationships as well as an enhancement of general public lifelong learning experiences.

**Prerequisite(s):** MUSM 1100

### **MUSM 3220 - Museum Collections Management**

Credit Hours: 3

This course will address all of the various issues regarding museum collections both those of two and three dimensions (paper memorabilia, three dimensional artifacts, buildings, grounds, other structures, etc.). The various technical aspects of managing collections (acquiring, identifying, processing, cataloging, storing, displaying, preserving, conserving, researching, etc.) will be the focus of this course.

**Prerequisite(s):** MUSM 1100

### **MUSM 3230 - Exhibit Design and Construction**

Credit Hours: 3

This course will be the most technical of the museum studies program and will be concerned with museum exhibit planning, research, text writing, design, construction, and installation of various types of storyline exhibits and presentations. Techniques used will include computer graphics,

photography, silk-screening, dry mounting, fixture and kiosk construction, lighting/ventilation/audio visual application, and other processes.

**Prerequisite(s):** MUSM 1100

### **MUSM 3301 - Material Culture**

Credit Hours: 3

A study of the tangible evidence of civilization, including through the perspective of Appalachian culture. Material culture is presented within the context of folk life and traditional craftsmanship, including crafts, arts, traditional foodways, clothing, tools and technology. Students examine material folk culture from various methodological and theoretical perspectives, including artifact analysis and fieldwork.

### **MUSM 4290 - Museum Practicum/Internship/Capstone**

Credit Hours: 3

This practicum/internship/capstone course will situate the student in actual hands-on museum(s) located experience. Students will be placed in the museum(s) type (historical, art, etc.) of their choice and will have as many "real" application experiences with interpretation, exhibit design and construction, collections management, public museum educational programming, administrative management, as well as museum administration, fundraising, grant writing, disaster management, volunteer management, and other issues that can be arranged with the museum(s) of choice. Pre-internship conferencing between the student, museum representative, and the program coordinator will be expected. Conferencing will continue during the experience as well. Course may be taken during regular semester or summer terms. Expected clock hours, 120 total. This course may be taken 1 credit at a time beginning after 9 credits have been accumulated or all at once when all other courses of the program have been completed. 1 credit repeated three times for a total of 3 required credits or 3 credits taken at one time.

**Prerequisite(s):** Option A: MUSM 1100 and MUSM 2150 and one of the following: MUSM 3210 or MUSM 3220, or MUSM 3230 with Program Coordinator/Instructor approval OPTION B: (For students completing MUSM 4290 taking 3 credits at one time) Option B: All other courses in the program: MUSM 1100, MUSM 2150, MUSM 3210, MUSM 3220 and MUSM 3230 with Program Coordinator/Instructor approval

## **National Security and Intelligence**

### **NSIS 3300 - Intelligence Research**

Credit Hours: 3

This course will integrate lecture and applications designed to develop basic skills in writing, research, analytical and presentations skills. The course will include lectures, discussions, and computer research design projects.

### **NSIS 3305 - History of National Security and Intelligence**

Credit Hours: 3

An intermediate-level course on the origins, developmental milestones, important events and policies that shaped the United States' intelligence infrastructure. There will be discussion of national security policy and actions that have been implemented, and analysis of their effectiveness. This course will develop skills in research, editing, writing and presentation. Students will be required to research assigned topics, collect documentation, edit references, write an analysis of a proposed course of action, and support a recommended course of action in an oral briefing with graphic slides. The format of this course is designed to acquaint the student to the time-sensitive and volatile nature of collection, analysis, production and dissemination of intelligence information. Same Course As: HIST 3305

### **NSIS 3315 - National Security and Intelligence**

Credit Hours: 3

This course provides an overview of issues impacting US national security and intelligence. The first half of this course

examines the workings of the US national security apparatus by explaining the missions, roles, and functions of the various instruments of national power. The second half of the course offers a survey of issues around the world impacting US national security such as regional conflict, weapons proliferation, terrorism, organized crime, access to energy, economic stability, and environmental degradation. Same Course As: POLI 3315

### **NSIS 3325 - Politics of Intelligence**

Credit Hours: 3

This course examines the means and methods for setting intelligence priorities and ensuring that the activities of the United States Intelligence Community are conducted in a way that is constitutional, lawful, and consistent with American values. This course examines how intelligence oversight has evolved over time. This course explores intelligence oversight mechanisms within the Executive and Legislative Branches, as well as the informal oversight role played by the press and by public interest groups. Same Course As: POLI 3325

### **NSIS 3330 - U.S. National Security Policy**

Credit Hours: 3

This course will address the topic of U.S. national security policy from a historical-analytical, as well as contemporary perspective. The course begins with the National Security Act of 1947, proceeds through the impact of the 1986 Goldwater-Nichols reforms and ends with post-9/11 security considerations. The course will also focus on the policy process and current challenges in security policy including the Global War on Terror. Same Course As: POLI 3330

### **NSIS 3331 - Intelligence and Covert Action**

Credit Hours: 3

This course discusses the role the Intelligence Community plays in shaping and executing US national security policy, and how events since the end of the Cold War, 9/11, and the Iraq War have blurred the lines between analysis, operations, and policymaking. This course examines the

role of the Intelligence Analyst, and examines how decision makers use and sometimes misuse Intelligence Community analysis - specifically addressing the issues of politicization of intelligence and policy prescriptive analysis. In addition, the course explores how the changing nature of intelligence operations (both collection and covert action) has given the Intelligence Community a more direct role in national security policymaking. Same Course As: POLI 3331

### **NSIS 3332 - Insurgency and Counterinsurgency**

Credit Hours: 3

This course examines the theoretical basis of modern insurgency and counterinsurgency warfare. It explores the "fathers" of insurgency as a political strategy - Mao, Guevara, and Giap - as well as the modern interpretation of insurgency as propounded by Zawahiri. This course reviews the underpinnings of counterinsurgency theory. A series of case studies will provide examples of how these theories play out in "real world" scenarios. Same Course As: POLI 3332

### **NSIS 3333 - Espionage, Counterintelligence and Strategic Deception**

Credit Hours: 3

This course examines the role that espionage, counterintelligence, and strategic deception play in US national security. It will define these terms, examine their "tradecraft" and explore their strengths and weaknesses. The course will address issues such as why people commit treason, the psychological relationship between the Case Officer and Asset, and the moral implications of using these tools to advance US national security. Same Course As: POLI 3333

### **NSIS 3334 - Fundamentals of Defense Intelligence**

Credit Hours: 3

This course explores the fundamentals of defense intelligence as they apply to the United States. This course examines where defense intelligence fits into the larger U.S. intelligence community. All aspects of the

intelligence cycle will be examined including planning, collection, processing, analysis, production and dissemination. This course will also explore multiple collection disciplines that support U.S. military operations and how the large defense intelligence apparatus supports national strategic, operational and tactical level decision-making by everyone from the President down to the company commander. Same Course As: POLI 3334

### **NSIS 3335 - Congress and National Security**

Credit Hours: 3

This course will examine the role of Congress in developing and shaping American national security policy. It will discuss Congress' formal and informal national security powers; the interplay among Congress, the presidency, and the courts; the impact of domestic and partisan politics on Congress' national security role; as well as the impact of special interest groups. Same Course As: POLI 3335

### **NSIS 3365 - Homeland Security**

Credit Hours: 3

This course examines critical homeland security knowledge domains, including strategy, history, terrorism, fear management, crisis communication, conventional and unconventional threats, network leadership, weapons of mass destruction, lessons learned from other nations, civil liberties and security, intelligence and information, homeland security technology, and analytics. Same Course As: POLI 3365

### **NSIS 3380 - Propaganda and Politics**

Credit Hours: 3

This course presents a critical analysis of the development, principles, strategies, media, techniques, and effects of propaganda campaigns from ancient civilizations to the modern technological society. The course focuses on propaganda in the context of government, religion, revolution, war, politics, and advertising, and explores implications for the future of propaganda in the cybernetic age. Same Course As: POLI 3380

### **NSIS 4400 - Research in the Social Sciences**

Credit Hours: 3

*Writing Intensive*

Students will explore the interaction of theory, research, and practice: the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. Same Course As: POLI 4400 and CRIM 4400

**Prerequisite(s):** ENGL 1102 Junior or Senior status

### **NSIS 4411 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world, conducted on an interdisciplinary basis. The area selected and the time span studied will be determined by the instructor. Same Course As: POLI 4411

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

### **NSIS 4412 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world, conducted on an interdisciplinary basis. The area selected and the time span studied will be determined by the instructor. Same Course As: POLI 4412

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

### **NSIS 4413 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world, conducted on an interdisciplinary basis. The area selected and the time span studied will be determined by the instructor. Same Course As: POLI 4413

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

**NSIS 4425 - Military Justice**

Credit Hours: 3

This course examines and evaluates current military legal practice and issues relevant to the Armed Forces of the United States.

This course provides an examination of the history and principles of military justice and comparison of the military and civilian justice systems. Topics include the Uniform Code of Military Justice, military crimes, non-judicial punishment, jurisdiction of general and special military courts, military judges and panels, self-incrimination, search and seizure, pretrial confinement and restraint, plea bargaining, sentencing and appellate review in military courts.

Same Course As: POLI 4425

**NSIS 4435 - Intelligence Law**

Credit Hours: 3

This course will explore and examine the U.S. Intelligence Community and the legal framework governing the actions taken by the US government. The course will provide students with an overview of the Intelligence Community and the key legal authorities that support and guide the Intelligence Community. Same Course As: CRIM 4435 and POLI 4435

**NSIS 4440 - National Security Law**

Credit Hours: 3

This course will explore the distribution of national security powers amongst the three coordinate branches of government - Legislative, Executive & Judicial and engage students in understanding the laws and policies that govern important critical issues in the national security arena. Same Course As: CRIM 4440 and POLI 4440

**NSIS 4445 - Law of Armed Conflict/International Humanitarian Law**

Credit Hours: 3

This course provides students with a general understanding of the international legal regulation of armed conflict - including humanitarian law, human rights law and international criminal law. The aim of the course is to enable students to understand the legal challenges of current and future armed conflicts, as well as enable them to critically analyze and evaluate concrete cases using both legal

and political analysis. This is achieved by applying knowledge from readings and classes to a number of contemporary case studies with a specific emphasis on the role of international organizations such as the ICRC and U.N. Same Course As: POLI 4445

**NSIS 4455 - Model United Nations**

Credit Hours: 1-12

Model UN provides an academic learning experience through the simulation of the structures, processes, and issues of the member nations of the United Nations Organization. The Model UN class offers students a unique opportunity to learn about international relations while role-playing United Nations delegates.

Repeatable up to four times not to exceed 12 credit hours. Same Course As: POLI 4455

**NSIS 4460 - National Security and Intelligence Practicum**

Credit Hours: 1-12

A supervised professional study conducted in the National Security and Intelligence field setting.

**Prerequisite(s):** Instructor approval required

**NSIS 4490 - Capstone Seminar in National Security and Intelligence**

Credit Hours: 3

A capstone course which requires students to explore in depth case studies related to national security and intelligence in the areas of national security, intelligence, law enforcement, industrial security, and cyber (information technology) security. Students will be required to collect information, assess vulnerabilities, develop sources, analyze data, write reports, maintain case files, prepare and give oral briefings, and defend recommended courses of action. Students will be supervised in the performance of a directed research project in conjunction with field work at a sponsoring agency. The objective will be an individual project which leads to a publishable intelligence product, enhances intelligence skills, or provides a unique service to a project mentor or organization. Student performance will be evaluated by a committee of faculty members. Input regarding the student's performance will

be invited and encouraged from the sponsoring agency.

**Prerequisite(s):** Senior standing or Instructor approval required

### **NSIS 4499 - Special Topics in National Security and Intelligence**

Credit Hours: 1-12

Studies in special selected topics to be determined by the instructor and approved by the program advisor. Individual students with specific interests work on a tutorial basis with an appropriate professor. Repeatable up to 12 credit hours.

### **NSIS 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for students to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Nursing**

### **NURS 1025 - Introduction to Nursing**

Credit Hours: 3

This course is designed to help students make the transition into college learning, prepare for the nursing program, and explore the field of nursing. This course is highly recommended for pre-nursing students.

### **NURS 1100 - 1100 Basic Drug Dosage**

Credit Hours: 2

Basic Drug Dosage Calculation for Nurses: (2 credit hours). The course focuses on foundational components of safe medication calculation with emphasis on critical thinking techniques to effectively,

accurately and safely calculate basic dosages of medications across the lifespan. It includes reading, interpreting and solving calculation problems encountered in the preparation of medication. When Offered: Fall and Spring

### **NURS 1101 - Fundamentals of Nursing**

Credit Hours: 7

Lecture/Lab Hours: 5 hours class, 6 hours lab per week

This course is designed to introduce the beginning student to nursing, concepts essential to the practice of nursing, and the role of the nurse as a care provider. The clinical, laboratory, and simulation experiences involve the implementation of the nursing process and utilization of assessment and communication skills related to basic needs and life processes of individual patients. Factors, such as developmental levels, sociocultural differences, and mental & emotional status are included.

**Prerequisite(s):** Admission to the ASN Nursing Program. NUTR 1110, BIOL 1180 and BIOL 1181

**Corequisite(s):** NUTR 1110, BIOL 1180 and BIOL 1181

### **NURS 1108 - Nursing Care of Adults I**

Credit Hours: 6

Lecture/Lab Hours: 4 hours class, 6 hours lab per week

Nursing Care of Adults I is designed to assist students to use the nursing process to address common health problems of adults. The nursing roles of care provide, communicator, and teacher, are explored to assist individuals to promote and attain health. Clinical, laboratory, and simulation experiences enable the student to implement evidence-based patient-centered care using nursing judgement. The student is expected to integrate and use knowledge and skills acquired in prerequisite courses

**Prerequisite(s):** NURS 1101, NURS 1120, BIOL 2205.

**Corequisite(s):** NURS 1120 and BIOL 2205 may be taken concurrently.

### **NURS 1115 - Maternal-Child Nursing I**

Credit Hours: 4

Lecture/Lab Hours: 3-hour class, 3 hours lab per week

Maternal-Child Nursing I focuses on care of the mother in all stages of pregnancy and care of the healthy newborn, infant, child, and adolescent. Clinical, laboratory, and simulation experiences will give students the opportunity to implement patient-centered care for the selected population.

**Prerequisite(s):** NURS 1108, NURS 1120, and PSYC 1101.

**Corequisite(s):** NURS 1108, NURS 1120, and PSYC 1101 may be taken concurrently.

### **NURS 1118 - Pharmacology and Nursing Process**

Credit Hours: 3

This course focuses on the multidisciplinary science of pharmacology and pharmacotherapeutics. Content includes drug classifications, indications, adverse effects, age-related variables, and nursing implications. Safe medication administration will be emphasized with consideration given to person-centered responses and patient/family teaching for specific drugs. When Offered: Fall and Summer

**Prerequisite(s):** NURS 1101, BIOL 1180

**Corequisite(s):** NURS 1108 and NURS 1100

### **NURS 1120 - Nursing Pharmacology I**

Credit Hours: 1

Lecture/Lab Hours: 1-hour class per week  
The first pharmacology course is designed to introduce basic concepts of pharmacokinetics, classifications, indications, contraindications, actions, adverse effects, interactions, and nursing considerations related to common medications and their administration. Content is organized to correspond with concurrent nursing courses in a systems approach.

**Prerequisite(s):** NURS 1101

**Corequisite(s):** NURS 1108 and NURS 1115

### **NURS 1125 - Basic Drug Dosage Calculations for Nurses**

Credit Hours: 2

The course focuses on foundational components of safe medication calculation with emphasis on critical thinking

techniques to effectively, accurately and safely calculate basic dosages of medications across the lifespan. It includes reading, interpreting and solving basic drug calculation problems encountered in the preparation of medications for administration.

**Prerequisite(s):** Admission to or enrollment in the nursing program.

### **NURS 1199 - Special Topics in Nursing**

Credit Hours: 1-12

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the College's Dean. When Offered: Offered as needed Credits earned will be applicable as free electives in degree and certificate programs.

### **NURS 1200 - Nursing Care Across the Lifespan I**

Credit Hours: 7

Lecture/Lab Hours: 5 hours class, 4 hours lab per week

This course focuses on building the LPN to ASN student knowledge regarding spirit of inquiry, nursing judgment, professional identity and human flourishing in the nurse's role caring for patients across the lifespan. Emphasis is placed on basic nursing concepts, fluid and electrolytes, normal pregnancy and diseases affecting the reproductive, immune, gastrointestinal, integumentary and renal systems.

**Pre-Requisite:** Admission to the LPN to ASN program

**Co-Requisite:** NURS 1201 and NURS 1206

### **NURS 1201 - Mental Health Nursing Across the Lifespan**

Credit Hours: 3

Lecture/Lab Hours: 2 hours class, 1-hour clinical per week

This course focuses on common mental health problems of patients across the lifespan. Emphasis is placed on developing the spirit of inquiry, nursing judgment, professional identity and human flourishing in the nurse's role caring for patients with mental health concerns across the lifespan. This course stresses self-awareness, therapeutic communication, intra-professional and interpersonal



collaborative relationships.

**Prerequisite(s):** Admission to the LPN to ASN program.

**Corequisite(s):** NURS 1200 NURS 1206

### **NURS 1206 - Health Assessment Across the Lifespan**

Credit Hours: 2

Lecture/Lab Hours: 2 Hour class

This course focuses on expanding the principles and skills underlying assessment of the health status of patients across the lifespan. Emphasis is placed on interviewing skills, health histories, and the physical and psychosocial findings along with understanding disease prevention and health promotion strategies.

**Prerequisite(s):**

Admission to the LPN to ASN program.

**Corequisite(s):** NURS 1200

### **NURS 1225 - Advanced Drug Dosage Calculations for Nurses**

Credit Hours: 1

The course focuses on advanced components of safe medication calculation with emphasis on critical thinking techniques on effectively, accurately and safely calculate complex dosages of medications across the lifespan. It includes advances IV calculations (such as anticoagulation, insulin, and weight based), pediatric dosages and obstetrical medications.

**Prerequisite(s):** Successful completion of NURS 1108, NURS 1115 and NURS 1120

**Corequisite(s):** NURS 1108, NURS 1115 and NURS 1120

### **NURS 2110 - Nursing Pharmacology II**

Credit Hours: 1

Lecture/Lab Hours: 1-hour class per week

The second pharmacology course is designed to introduce basic concepts of pharmacokinetics, classification, indications, contraindications, actions, adverse effects, interactions, and nursing considerations related to common medications and their administration. Content is organized to correspond with concurrent nursing courses in a systems approach.

**Prerequisite(s):** NURS 1120

**Corequisite(s):** NURS 2115, NURS 2203 and NURS 2208

### **NURS 2114 - Nursing Care of Maternal and Infants**

Credit Hours: 3 credits (2 theory; 1 clinical)

Nursing care of the maternal and infant encompasses the care of childbearing women, neonates, and families throughout the antepartum, intrapartum, and postpartum states. Clinical, laboratory, and simulation experiences will give students the opportunity to implement patient- and family centered care for this population through clinical reasoning skills, simulation activities, and technical competencies. When Offered: Fall, Spring, Summer Restrictions: Nursing students only.

### **NURS 2115 - Maternal-Child II**

Credit Hours: 2

Lecture/Lab Hours: 15 hours class, 1.5 hours lab per week

Maternal-Child Nursing II focuses on care during the stages of labor and delivery. Students will also examine health problems, disorders and illnesses common in pregnancy and children in each stage of development, from infancy through adolescence. The students will participate in clinical experiences to enhance his/her knowledge in maternal-child nursing while providing evidence-based patient centered nursing care, using nursing judgement.

**Prerequisite(s):** NURS 1115, NURS 2110

**Corequisite(s):** NURS 2110, NURS 2203, NURS 2208

### **NURS 2203 - Mental Health Nursing**

Credit Hours: 4

Lecture/Lab Hours: 3 hours class, 3 hours lab per week

This course is a study of mental health and common mental illnesses as they affect adults, children and families. Selected clinical experiences provide the student with the opportunity to develop the knowledge, empathy, and skills to provide safe patient-centered care in the psychiatric setting. The student may also participate in the interdisciplinary team meetings. This course stresses the

importance of developing self-awareness, improving communication skills, and establishing inter-personal relationships.

**Prerequisite(s):** PSYC 1101, NURS 1108

**Corequisite(s):** NURS 2110, NURS 2115, NURS 2208

### **NURS 2208 - Nursing Care of Adults II**

Credit Hours: 6

Lecture/Lab Hours: 4 hours class, 6 hours lab per week

Nursing Care of Adults II is designed to assist students to use the nursing process to address common health problems of adults. The nursing roles of care provider, communicator, and teacher are explored to assist individuals to promote and attain health. Clinical, laboratory, and simulation experiences enable the students to implement evidence-based patient-centered care using nursing judgement. The student is expected to integrate and use knowledge and skills acquired in prerequisite courses.

**Prerequisite(s):** BIOL 2205, NURS 1108

**Corequisite(s):** NURS 2110, NURS 2115, NURS 2203

### **NURS 2210 - Nursing Pharmacology III**

Credit Hours: 1

Lecture/Lab Hours: 1-hour class per week

The third pharmacology course is designed to introduce the concepts of pharmacokinetics, classifications, indications, contraindications, actions, adverse effects, interactions, and nursing considerations related to medications commonly administered in complex or emergent situations. Content is organized to correspond with concurrent nursing courses in a systems approach.

**Prerequisite(s):** NURS 2110

**Corequisite(s):** NURS 2211, NURS 2212, NURS 2215, NURS 2220

### **NURS 2211 - Professional Role Transition**

Credit Hours: 2

Lecture/Lab Hours: 2 hours class per week

This course is designed to facilitate the nursing student's transition to the role of registered professional nurse. This course addresses current nursing trends, issues, and the delivery and management of healthcare. The course stresses the

importance of developing professional goals with an emphasis on socialization into the nursing profession, management of multiple patients, inter-professional collaboration, and application of clinical judgment skills

**Prerequisite(s):** NURS 2203, NURS 2208 and NURS 2115

**Corequisite(s):** NURS 2210, NURS 2212, NURS 2215, NURS 2220

### **NURS 2212 - Nursing Care of Adults III**

Credit Hours: 3

Lecture/Lab Hours: 3 hours class per week

Nursing Care of Adults III is designed to assist students to use the nursing process to address complex health problems of adults. Emergency care is also discussed. Students learn how to perform in multiple nursing roles within a complex healthcare environment to provide safe evidence-based patient centered nursing care while using nursing judgement. The student is expected to integrate and use knowledge and skills acquired in prerequisite courses

**Prerequisite(s):** NURS 2110, NURS 2115, NURS 2203, NURS

2208 **Corequisite(s):** NURS 2210, NURS 2211, NURS 2215, NURS 2220

### **NURS 2214 - Nursing Care of Child and Adolescents**

Credit Hours: 3 credits (2 theory; 1 clinical)

Nursing care of the child and adolescent encompasses the care of the infant through adolescent states of growth and development, wellness, and illness. Clinical, laboratory, and simulation experiences will give students the opportunity to implement patient- and family-centered care for this population through clinical reasoning skills, simulation activities, and technical competencies. When Offered: Fall and Spring Restrictions: Nursing students only.

### **NURS 2215 - Maternal-Child Nursing III**

Credit Hours: 2

Lecture/Lab Hours: 15 hours class, 1.5 hours lab per week

Maternal-Child Nursing III focuses on nursing care of the mother and newborn experiencing complications during prenatal, labor, delivery, and postpartum

periods. Students will also focus on the child with more complex health problems. Clinical, laboratory, and simulation experiences will give students the opportunity to implement safe evidence-based patient-centered care for the selected population

**Prerequisite(s):** NURS 2115, NURS 2110

**Corequisite(s):** NURS 2210, NURS 2211, NURS 2212, NURS 2220

### **NURS 2220 - Nursing Capstone Clinical**

Credit Hours: 2

Lecture/Lab Hours: 8 hours lab per week

This capstone clinical course allows students to synthesize knowledge from nursing and non-nursing courses to provide safe evidence-based patient-centered care to adult patients. Students are assigned to preceptors in the clinical setting and participate in faculty-guided seminars and simulation experiences throughout the semester. Students integrate all program concepts and content as they prepare for the roles of the registered professional nurse in an inter-professional collaborative practice environment.

**Prerequisite(s):** NURS 2110, NURS 2115, NURS 2203, NURS 2208

**Corequisite(s):** NURS 2212, NURS 2211, NURS 2212, NURS 2215

### **NURS 2301 - Nursing Care Across the Lifespan II**

Credit Hours: 7

Lecture/Lab Hours: 5 hours theory, 4 hours lab per week

This course focuses on building the LPN to ASN student knowledge regarding spirit of inquiry, nursing judgment, professional identity and human flourishing in the nurse's role caring for patients across the lifespan. Emphasis is placed on hematologic, cardiovascular, respiratory, endocrine and neurologic systems.

**Prerequisite(s):** NURS 1200, NURS 1201, NURS 1206

**Corequisite(s):** NURS 2304, BIOL 2205

### **NURS 2304 - Pharmacology Across the Lifespan**

Credit Hours: 3

This course focuses on the clinical

application within the context of the provision of nursing care to patients across the lifespan based on consideration given to physiological, psychological, cultural, spiritual and genetic needs of the patient. Explores indications, modes of action, effects, contraindications, interactions, and outcomes of selected medications. Specific nursing responsibilities related to medication administration and drug calculations are emphasized.

**Prerequisite(s):** NURS 1200, NURS 1201 and NURS 1206

**Corequisite(s):** NURS 2301 and BIOL 2205

### **NURS 2401 - Nursing Care Across the Lifespan III**

Credit Hours: 5

Lecture/Lab Hours: 5-hour class per week

This course focuses on building the LPN to ASN student knowledge regarding spirit of inquiry, nursing judgment, professional identity and human flourishing in the nurse's role caring for patients across the lifespan. Emphasis is placed on nursing care of patients with complex and critical health problems.

**Prerequisite(s):** NURS 2301, NURS 2304, BIOL 2205

**Corequisite(s):** NURS 2403 and NURS 2405

### **NURS 2403 - Capstone Clinical Experience**

Credit Hours: 4

Lecture/Lab Hours: 8 hours per semester

This course provides a culminating experience for the LPN to ASN student by providing opportunities for them to assume the role of a registered professional nurse through provision of high-quality patient-centered care, apply leadership concepts and skills in decision making, practice interprofessional and intraprofessional collaboration, and direct management of care. This course will be taken in student's last semester.

**Prerequisite(s):** NURS 2301, NURS 2304, BIOL 2205

**Corequisite(s):** NURS 2401, NURS 2405

### **NURS 2405 - LPN-RN Role Transition**

Credit Hours: 3

Lecture/Lab Hours: 3-hour class per week

This course focuses on the role transition

from an LPN to a RN. Emphasis placed on current issues in health care, nursing leadership and management, professional practice issues for registered professional nurses, and transition into the workplace, and preparing for the NCLEX-RN licensure exam.

**Prerequisite(s):** NURS 2301, NURS 2304 and BIOL 2205

**Corequisite(s):** NURS 2401 and NURS 2403

### **NURS 3310 - Health Promotion and Communication**

Credit Hours: 3

Lecture/Lab Hours: 3

This course focuses on health promotion, risk reduction, teaching/learning, disease prevention and communication across the lifespan. Pre-requisite: Admission to the traditional BSN Program.

**Pre-Requisite(s):** BIOL 1180, BIOL 1181, CHEM 1101, ENGL 1101, ENGL 1102, NUTR 1110, MATH 1430 or MATH 1530, NURS 1025, PSYC 1101, and PHED 1180 with a minimum grade of C.

**Co-requisite(s):** NURS 3332, BIOL 2205, NUTR 1110

### **NURS 3320 - Health Assessment**

Credit Hours: 3

Lecture/Lab Hours: 2 class hours, 1-hour lab per week

This course is designed to help students further develop their role in health/physical assessment as a nurse generalist. Critical thinking skills are used to analyze assessment findings and apply them while implementing patient-centered care. (2 class hours, 1-hour lab per week). PR:

Admission to the BSN program or successful completion of the first year of the ASN program.

**Pre-requisite(s):** Admission to the RN-BSN program.

**Co-requisite(s):** NURS 3360 and NURS 3380.

### **NURS 3332 - Assessment and Physical Examination**

Credit Hours: 3

Lecture/Lab Hours: Lecture 3 hours class/week, 45 hours of clinical during semester

This course provides the students with the

knowledge and skill necessary to perform a comprehensive health assessment. Pre-req: Admission to the traditional BSN Program

**Pre-Requisite(s):** BIOL 1180, BIOL 1181, CHEM 1101, ENGL 1101, ENGL 1102, NUTR 1110, MATH 1430 or MATH 1530, NURS 1025, PSYC 1101, and PHED 1180 with a minimum grade of C.

**Co-requisite(s):** NURS 3310, BIOL 2205, NUTR 1110

### **NURS 3360 - Nursing Ethics**

Credit Hours: 3

Lecture/Lab Hours: 3 hours class per week

This course explores ethical issues in professional nursing practice across the lifespan.

Traditional BSN

**Pre-requisite(s):** NURS 3400, NURS 3401, NURS 3402, and Management (BSBA 2209 or MGMT 3308) with a minimum grade of C.

**Co-requisite(s):** NURS 3600, NURS 3610, and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530).

RN to BSN

**Prerequisite(s):** admission to RN to BSN program

**Co-requisite(s):** NURS 3320, NURS 3380

### **NURS 3370 - Nursing Informatics and Healthcare Technologies**

Credit Hours: 3

This course prepares the student to utilize informatics and health care technologies in the management of individuals, groups, and organizations for the improvement of patient outcomes.

Traditional BSN Program

**Pre-requisite(s):** NURS 3600, NURS 3360, NURS 3610, and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1550) with minimum grade of C.

**Co-requisite(s):** NURS 3700, NURS 3701, and NURS 3380

RN to BSN Program

**Pre-Requisite(s):** NURS 3320, NURS 3360, and NURS 3380 and statistics (PSYC 2240, SOCY 2240, BSBA 3310 and MATH 1550) and Management (BSBA 2209 or MGMT 3308) with a minimum grade of C.

**Co-requisite(s):** NURS 4410

**NURS 3380 - Evidence Based Practice**

Credit Hours: 3

*Writing Intensive Course*

This course focuses on using evidence-based practice (EBP) to provide patient centered care. This a writing intensive course.

Traditional BSN

**Pre-requisite(s):** NURS 3600, NURS 3360, NURS 3610, statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530) with minimum grade of C.

**Co-requisite(s):** NURS 3700, NURS 3701, NURS 3370

RN to BSN

**Prerequisite(s):** Admission to RN to BSN program, statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530) with a minimum grade of C.

**Co-requisite(s):** NURS 3320, NURS 3360

**NURS 3399 - Special Topics in Nursing**

Credit Hours: 1-12

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the College's Dean. Credits earned will be applicable as free electives.

**NURS 3400 - Foundations of Nursing**

Credit Hours: 6

Lecture/Lab Hours: Lecture 4 hours class/week and 90 hours of clinical during the semester

This course lays the foundation for development of clinical judgment in the provision of compassionate person-centered care.

Revise to read:

**Pre-requisite(s);** NURS 3310, NURS 3332, BIOL 2205, and NUTR 1110 with a minimum grade of C.

**Co-requisite(s):** NURS 3401, NURS 3402, and management (BSBA 2209 or MGMT 3308)

**NURS 3401 - Pharmacology**

Credit Hours: 3

Lecture/Lab Hours: 3 lecture hours of class per week

The course focuses on principles of pharmacology and pharmacotherapeutics. Characteristics and uses of major drug groups and safe medication administration

will be emphasized with consideration given to person-centered response to specific drugs.

**Pre-requisite(s):** NURS 3310, NURS 3332, BIOL 2205, and NUTR 1110 with a minimum grade of C.

**Co-requisite(s)** NURS 3400, NURS 3402, and management (BSBA 2209 or MGMT 3308)

**NURS 3402 - Drug Calculations**

Credit Hours: 3

Lecture/Lab Hours: 3 lecture hours of class per week

This course focuses on reading, interpreting, and solving calculations problems encountered in the preparation and administration of medications.

**Pre-requisite(s):** NURS 3310, NURS 3332, BIOL 2205, and NUTR 1110 with a minimum grade of C.

**Co-requisite(s):** NURS 3400, NURS 3401, and management (BSBA 2209 or MGMT 3308)

**NURS 3600 - Adult Health I**

Credit Hours: 6

Lecture/Lab Hours: Lecture 4 hours class/week and 90 hours of clinical during the semester

This course focuses on nursing care of adults with acute and chronic physiological alterations in a variety of care environments. This is the first of a two-part course series.

**Pre-requisite(s):** NURS 3400, NURS 3401, NURS 3402, and management (BSBA 2209 or MGMT 3308) with a minimum grade of C.

**Co-requisite(s):** NURS 3360, NURS 3610, and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530).

**NURS 3610 - Mental and Behavioral Health**

Credit Hours: 4

Lecture/Lab Hours: Lecture 3 hours class/week, 45 hours of clinical during semester

This course focuses on nursing care of persons with acute, chronic, and complex mental/behavioral health problems across the lifespan.

**Pre-requisite(s):** NURS 3400, NURS 3401, NURS 3402, and management (BSBA 2209 or MGMT 3308) with a minimum grade of C.

**Co-requisite(s):** NURS 3600, NURS 3360, and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530).

### **NURS 3700 - Adult Health II**

Credit Hours: 6

Lecture/Lab Hours: Lecture 4 hours class/week and 90 hours of clinical during the semester

This course focuses on nursing care of adults with acute and chronic physiological alterations in a variety of care environments. This is the second of a two-part course series.

**Pre-requisite(s):** NURS 3600, NURS 3360, NURS 3610 and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530) with a minimum grade of C.

**Co-requisite(s):** NURS 3701, NURS 3370, and NURS 3380

### **NURS 3701 - Mother/Baby and Women's Health**

Credit Hours: 4

Lecture/Lab Hours: Lecture 3 hours class/week, 45 hours of clinical during semester

This course focuses on the nurses' care of mothers and babies during normal and high-risk pregnancy, labor/childbirth, postpartum, newborn care and women's health issues.

**Pre-requisite(s):** NURS 3600, NURS 3360, NURS 3610 and statistics (PSYC 2240, SOCY 2240, BSBA 3310 or MATH 1530) with a minimum grade of C.

**Co-requisite(s):** NURS 3700, NURS 3370, and NURS 3380.

### **NURS 4401 - Child and Adolescent Health**

Credit Hours: 3

Lecture/Lab Hours: Lecture 2 hours class per week and 45 hours of clinical during the semester

This course focuses on nursing care of infants, children, and adolescents and their families.

**Pre-requisite(s):** NURS 3700 and NURS 3701, and NURS 3380 with a minimum grade of C.

**Co-requisite(s):** NURS 4410 and NURS 4430.

### **NURS 4410 - Population Health**

Credit Hours: 5

Lecture/Lab Hours: 3 hours class and 4 hours clinical per week

This course focuses on understanding the role of the Nurse Generalist in providing care for vulnerable groups and populations. Students complete a population health assessment and prioritize needs. Based on the identified needs, evidence-based strategies and health promotion, health education, or illness prevention are implemented and evaluated.

#### Traditional BSN Program

**Pre-requisite(s):** NURS 3700, NURS 3701, NURS 3370, and NURS 3380 with minimum grade of C.

**Co-requisite(s):** NURS 4430.

#### RN to BSN Program

Pre-Requisites: NURS 3320, NURS 3360, and NURS 3380 and statistics (PSYC 2240, SOCY 2240, BSBA 3310 and MATH 1550) with a minimum grade of C.

### **NURS 4430 - Nursing Leadership**

Credit Hours: 3

Lecture/Lab Hours: 3 hours class per week

This course will explore the role of the nurse-leader and enable students to recognize and develop leadership skills.

#### Traditional BSN Program

**Pre-requisite(s):** NURS 3700, NURS 3701, NURS 3370, and NURS 3380 with a minimum grade of C.

**Co-requisite(s):** NURS 4401 and NURS 4410

#### RN to BSN Program

**Pre-Requisite(s):** NURS 3320, NURS 3360, and NURS 3380 and statistics (PSYC 2240, SOCY 2240, BSBA 3310 and MATH 1550) and Management (BSBA 2209 or MGMT 3308) with a minimum grade of C.

**Co-requisite(s):** NURS 3370 and NURS 4410

### **NURS 4440 - Application of Evidence Based Practice**

Credit Hours: 5

Lecture/Lab Hours: 1-hour class; 8 hours clinical per week

This capstone course assists students with the integration of evidence-based practice in the professional nurse generalist role. This course should be taken in the last semester of the nursing program.

**Pre-requisite(s):** NURS 3370 NURS 4410 NURS 4430 with a minimum grade of C.

Restrictions: Must be taken in the student's last semester of the RN-BSN program.

#### **NURS 4441 - School Nurse Practicum**

Credit Hours: 4

Lecture/Lab Hours: 1-hour class; 6 hours clinical per week

This clinical practicum is designed to help registered nurses with BSN degrees meet the West Virginia Board of Education standards for practicing school nurses. This specialization prepares nurses for their role as a professional and provider of age-appropriate, patient-centered care in the school setting. The focus in the course is on health education, child-centered care, and advocacy for children and their families. Students currently enrolled in the BSN Program may take this course in the final semester or following graduation

**Pre-requisite(s):** Must have an unencumbered WV or multistate RN license. Instructor approval required. May take in last semester of traditional BSN program. EDUC 2200

#### **NURS 4442 - Complex Healthcare**

Credit Hours: 3

Lecture/Lab Hours: Lecture 3 hours class/week

This course focuses on nursing care of patients with complex health needs across the lifespan. Students must be in their last semester.

**Pre-requisite(s):** NURS 4401, NURS 4410, and NURS 4430 with a minimum grade of C.

**Co-requisite(s):** NURS 4444, NURS 4450, and NURS 4452. Restrictions: Students must be in their last semester

#### **NURS 4444 - NCLEX-RN Prep**

Credit Hours: 1

Lecture/Lab Hours: Lecture 4 hours class/week

This course focuses on achievement of professional success by preparing the RN licensure exam. Students must be in their last semester.

**Pre-requisite(s):** NURS 4401, NURS 4410, and NURS 4430 with a minimum grade of C.

**Co-requisite(s):** NURS 4442, NURS 4450, and NURS 4452.

#### **NURS 4450 - Healthcare Delivery: Political, Social and Economic Influences**

Credit Hours: 3

This course will analyze the healthcare delivery system and its appropriateness for meeting the dynamic and ever-changing health needs of diverse patients through analysis of political, social and economic influences.

##### Traditional BSN

**Pre-requisite(s):** NURS 4401, NURS 4410, and NURS 4430 with minimum grade of C.

**Co-requisite(s):** NURS 4444 and NURS 4452

##### RN-BSN

**Pre-requisite(s):** NURS 3370, NURS 4410, and NURS 4430 with a minimum grade of C.

**Co-requisite(s):** NURS 4440

#### **NURS 4452 - Clinical Capstone**

Credit Hours: 5

Lecture/Lab Hours: Lecture 1-hour class/week and 180 hours of clinical during the semester

The practicum course will build on the concepts and knowledge gained from previous nursing courses allowing for the application of theories and concepts associated with nursing leadership, nursing research, and management of care.

Students will complete and evidence-based change project for their clinical site. Students must be in their last semester.

**Pre-requisite(s):** NURS 4401, NURS 4410, and NURS 4430 with minimum grade of C.

**Co-requisite(s):** NURS 4444 and NURS 4450.

Restrictions: Students must be in their last semester.

#### **NURS 4499 - Special Topics in Nursing**

Credit Hours: 1-12

This course is concerned with special

studies in selected topics, to be determined by the instructor and approved by the College's Dean. Credits earned will be applicable as free electives.

### **NURS 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **Nutrition**

### **NUTR 1110 - Nutrition**

Credit Hours: 3

This course is a study of the nutrients, their sources, and their relationship to body functions and metabolism. Stages of the lifecycle will be studied as it relates to changing nutritional requirements for individuals of varying cultural and economic levels. Students will evaluate their daily nutritional intake against recommended daily allowances, and complete a menu planning assignment.

### **NUTR 1120 - Nutrition in Childhood & Adolescence**

Credit Hours: 3

This course will provide an overview of basic nutrition as well as nutrient standards used to evaluate nutrition status among Americans. Specific focus will include nutrition during the periconceptual period, nutrition during pregnancy and lactation. Additionally, students will be introduced to nutrition in infancy through adolescence. Students will evaluate dietary guidelines and complete a menu planning

assignment for an individual between the ages of 2-18.

### **NUTR 1145 - Sports Nutrition**

Credit Hours: 3

This course will provide an introduction to sports nutrition including definitions of sports nutrition and general nutrition concepts, a review of digestion and energy metabolism, an in-depth explanation of macronutrients, micronutrients, and water as they relate to athletic performance. The course will also review the most current research as it relates to the energy systems and specific nutrition needs of athletes in three categories - endurance, strength/power, and team sports. Students will evaluate and complete a menu specific to their assigned sport.

### **NUTR 1155 - Farm to Fork**

Credit Hours: 3

This course introduces the social responsibility of production of natural agricultural products meeting the growing public demand for healthy, organic, and whole foods. Students will examine the issues related to the economic prosperity of farm-to-fork concepts and marketing strategies of local farmers. In addition, students will be educated on food systems, food sources, the advantages of buying local, and environmental protection of food sustainability.

### **NUTR 2220 - Nutrition Therapy**

Credit Hours: 3

This course discusses the nutritional needs of different age groups, the special nutritional requirements in various diseases and the planning of menus to meet these various nutritional needs. Students will learn the role of nutrition therapy in healthcare, the nutrition care process, and be introduced to pathophysiology as it relates to nutrition.

**Prerequisite(s):** NUTR 1110

### **NUTR 2250 - Epidemiology and Community Nutrition**

Credit Hours: 3

This course will provide students with methods and practices necessary to access nutritional needs in community-oriented



nutrition programs. Students will be introduced to nutrition relationships through the application of epidemiologic methods, develop and evaluate nutritional status of populations, examine the role of nutrition in the etiology of nutrition/disease relationships, and develop interventions to achieve and maintain healthful eating patterns among populations using nutritional measures.

**Prerequisite(s):** NUTR 1110

### **Physical Education**

#### **PHED 1100 - Fitness and Wellness**

Credit Hours: 2

This course is designed to provide an opportunity for students to make intelligent choices concerning lifelong wellness and to achieve optimum levels of fitness through regular exercise, proper nutrition, weight control and stress management.

#### **PHED 1101 - Basic Physiological Conditioning-Health**

Credit Hours: 1

This course covers the analysis, application and integration of basic physical conditioning and health concepts. When Offered: The course is offered in eight-week sessions

#### **PHED 1102 - Weight Training/Lifting**

Credit Hours: 1

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of weight training/lifting are studied. When Offered: The course is offered in eight-week sessions

#### **PHED 1110 - Archery**

Credit Hours: 1

The analysis and application of rules, psychomotor skills, and safety aspects of the lifetime sport of archery. When Offered: This course is offered in eight-week sessions

#### **PHED 1111 - Aerobics**

Credit Hours: 1

The analysis and application of the psychomotor skills, fitness components, and safety aspects in the lifetime activity of

dance aerobics are studied. When Offered: This course is offered in 8-week sessions

#### **PHED 1112 - Badminton**

Credit Hours: 1

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the individual sport of badminton. When Offered: This course is offered in eight-week sessions

#### **PHED 1114 - Bowling**

Credit Hours: 1

The analysis and application of rules, strategies, psychomotor skills, and safety aspects of the individual sport of bowling. When Offered: This course is offered in eight-week sessions

#### **PHED 1116 - Casting and Angling**

Credit Hours: 1

The analysis and application of the psychomotor skills and safety aspects of the individual sport of casting and angling. When Offered: This course is offered in eight-week sessions

#### **PHED 1117 - Disc Sports**

Credit Hours: 1

The analysis and application of the rules, game strategies, psychomotor skills and safety aspects in the life time sport of ultimate and disc golf are studied. When Offered: This course is offered in 8-week sessions

#### **PHED 1120 - Basketball (Beginning)**

Credit Hours: 1

An introduction to the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of basketball. When Offered: This course is offered in eight-week sessions

#### **PHED 1121 - Introductory Seminar in Human Movement**

Credit Hours: 2

General survey of instructional and non-educational professional career alternatives available within physical education. Students will discuss issues, trends, history, philosophy, and future career directions in physical education.

**PHED 1124 - Volleyball**

Credit Hours: 1

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of volleyball. When Offered: This course is offered in eight-week sessions

**PHED 1125 - Table Tennis**

Credit Hours: 1

The analysis and application of the rules, game strategies, psychomotor skills and safety aspects in the life time sport of table tennis are studied. When Offered: This course is offered in 8-week sessions

**PHED 1126 - Tennis (Beginning)**

Credit Hours: 1

The student will be introduced to basic skills, rules, boundaries, game situations and team play.

**PHED 1130 - Flag Football**

Credit Hours: 1

Addresses the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of flag football. When Offered: This course is offered in eight-week sessions

**PHED 1140 - Golf**

Credit Hours: 1

This course focuses on the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of golf. When Offered: This course is offered in eight-week sessions

**PHED 1145 - Pickle Ball**

Credit Hours: 1

The analysis and application of the rules, game strategies, psychomotor skills and safety aspects in the life time sport of pickle ball are studied. When Offered: This course is offered in 8-week sessions

**PHED 1155 - Track and Field**

Credit Hours: 1

The analysis and application of the rules, strategies, psychomotor skills and safety aspects of the various components that make up track and field activities are

studied. When Offered: This course is offered in 8-week sessions

**PHED 1160 - Soccer**

Credit Hours: 1

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of soccer. When Offered: This course is offered in eight-week sessions

**PHED 1162 - Softball**

Credit Hours: 1

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of softball are studied. When Offered: This course is offered in eight-week sessions

**PHED 1164 - Speedball**

Credit Hours: 1

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of speedball. When Offered: This course is offered in eight-week sessions

**PHED 1180 - Medical Terminology**

Credit Hours: 3

This course will introduce students interested in the health care profession to the language of science and medicine by covering topics in anatomy, physiology, pathology, diseases, disorders, equipment, diagnosis, and treatment, enabling the student to develop vocabulary essential to understanding of and communication within the various health fields.

**PHED 1199 - Special Topics in Physical Education**

Credit Hours: 1-12

Special topics will be studied, to be determined by the instructor and approved by the College's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

**PHED 2200 - Accident Analysis and Emergency Care**

Credit Hours: 2

An analysis of problematic areas of accident causation, prevention, emergency treatment and control pertinent to the

elementary school environment and teacher responsibilities.

### **PHED 2201 - Introduction to Sport Management**

Credit Hours: 3

This course introduces students to the sport industry, the wide range of career opportunities in sport and the economic impact of sport in America. This course includes both the theoretical and applied dynamics of sport management, and topical areas includes political management, operational management, marketing management, event management, staff management and risk management. Required course **Corequisite(s):** BSBA 2209, Principles of Management

### **PHED 2211 - Anatomy and Physiology**

Credit Hours: 4

An introduction to the basic knowledge of the structure and functions of the human body and the changes that occur during physical activity and sport. Restrictions: Must earn a C or better

### **PHED 2216 - Group Fitness Instruction/Programming**

Credit Hours: 2

This course is designed to provide theoretical knowledge and practical skills in preparation for group fitness instruction.

### **PHED 2218 - Advanced Personal Training**

Credit Hours: 3

Designed to synthesize the knowledge acquired from an exercise science curriculum with practical application for successful job performance in the fitness industry.

### **PHED 2232 - Basic Aquatics**

Credit Hours: 2

Introduction to the knowledge and skills necessary to become proficient and safe in or on the water.

### **PHED 2233 - Advanced Aquatics-Lifeguarding**

Credit Hours: 2

Basic and advanced swimming strokes are examined, with an emphasis on achieving

proficiency in lifeguarding techniques. Does not apply to Recreation minor. Successful completion of this course is required for Red Cross certification.

### **PHED 2240 - Outdoor Leisure Activities**

Credit Hours: 2

This course is designed to provide students with a comprehensive overview of outdoor leisure and adventure-based activities, inclusive of assessment strategies, and biomechanical principles. Key areas of focus include: Survival, Hiking & Outdoor Safety, Navigation, Water Sports, Winter Sports, Disc sports, Rappelling, Slacklining, and Teambuilding Games, and Initiatives. This course will consist of both hands-on experience and classroom instruction.

### **PHED 2241 - Gymnastics and Dance**

Credit Hours: 2

This course is designed to instruct students in understanding the critical elements, proper progression, spotting techniques, assessment strategies, biomechanical principles, and safety concerns involved in the teaching of tumbling skills. The student will integrate dance elements into choreography with a final performance focusing on technique, rhythm, timing, and synchronization.

### **PHED 2242 - Social Dance**

Credit Hours: 2

This course is designed to prepare the pre-service teacher to select, instruct, and evaluate a variety of multi-cultural dances for early childhood, middle childhood and adolescent education.

### **PHED 2243 - Teaching Team Passing Sports**

Credit Hours: 3

This course is designed to provide students with the knowledge, skill development, teaching cues, assessment strategies, biomechanical principles, and skill analyses necessary to effectively teach team passing sports. Restrictions: Majors only restriction

### **PHED 2244 - Teaching Wall-Net Sports**

Credit Hours: 3

This course is designed to provide students with the knowledge, skill development, teaching cues, assessment strategies, biomechanical principles, and skill analyses necessary to effectively teach net and wall sports. Restrictions: Majors only restriction

### **PHED 2246 - Teaching Striking / Target Sports**

Credit Hours: 3

This course is designed to provide students with the knowledge, skill development, teaching cues, assessment strategies, biomechanical principles, and skill analyses necessary to effectively teach striking and target sports. Restrictions: Majors only restriction

### **PHED 3000 - Wellness Integration in the Elementary Classroom**

Credit Hours: 3

This course will focus on the analysis of growth and developmental characteristics as they relate to the cognitive, affective, and psychomotor behaviors of the elementary child in selecting developmentally/age-appropriate activities. Wellness concepts target the components of health education with an emphasis on the importance of practicing and enhancing behaviors for a healthy lifestyle.

### **PHED 3310 - Motor Behavior**

Credit Hours: 3

This course provides undergraduate students with the knowledge necessary to implement developmentally appropriate motor learning experiences in physical education/activity settings. Course information emphasizes learner/performance characteristics, factors affecting movement change, designing developmentally appropriate tasks progressions, and employing theoretically driven instructional approaches to promote success-oriented movement change.

**Prerequisite(s):** PHED 1121

### **PHED 3312 - Physiology of Exercise**

Credit Hours: 3

This course investigates the knowledge of

basic physiological adaptations that accompany physical activity and sport.

**Prerequisite(s):** C or better in PHED 2211 or BIOL 1180-BIOL 1181

Must earn a C or better in this course to progress in the program

### **PHED 3313 - Biomechanics**

Credit Hours: 3

The study of humans in motion, including the structures that are responsible for motion and the forces that influence human motion.

**Prerequisite(s):** C or better in PHED 2211 or BIOL 1180-BIOL 1181

Must earn a C or better to progress in the major.

### **PHED 3314 - Group Fitness Instruction/Programming**

Credit Hours: 2

This course is designed to provide theoretical knowledge and practical skills in preparation for group fitness instruction.

**Prerequisite(s):** C or better in PHED 2211 or BIOL 1180 -BIOL 1181

### **PHED 3315 - Advanced Personal Training**

Credit Hours: 3

Designed to synthesize the knowledge acquired from an exercise science curriculum with practical application for successful job performance in the fitness industry.

**Prerequisite(s):** PHED 3312 with a C or above

### **PHED 3316 - Fitness Assessment and Exercise Physiology**

Credit Hours: 3

The study of methods of determining fitness levels, developing safe exercise programs and developing and administering group exercise/wellness programs. Emphasis is placed on evaluation techniques and exercise prescription.

**Prerequisite(s):** C or better in PHED 3312  
Must earn a C or better to progress in the major.

### **PHED 3317 - Clinical Applications of Exercise Physiology**

Credit Hours: 3

Study of exercise programs for improving the health-related physical fitness of specialized populations. Exposure to cardiac and pulmonary evaluation techniques for purposes of diagnosis and exercise prescription in symptomatic and asymptomatic populations.

**Prerequisite(s):** Must earn a C or better to progress in the major.

C or better in PHED 3316

### **PHED 3318 - Sport Social Psychology**

Credit Hours: 3

This course is designed to introduce undergraduate students to a broad overview of major topics in sport and exercise psychology. The primary course objective is to facilitate students' understanding of how psychological factors impact performance in sport and physical activity settings; and how participation in sport/physical activity affects individuals and groups.

**Prerequisite(s):** PSYC 1101

### **PHED 3320 - Lifespan Motor Development**

Credit Hours: 3

The course will study changes in motor behavior over the human lifespan and the processes which underlie these changes. Emphasis will be placed on current issues and research in motor development.

**Prerequisite(s):** PHED 1121

### **PHED 3323 - Teaching Elementary Physical Education**

Credit Hours: 3

This course examines the analysis and application of instructional strategies, psychomotor skills and patterns characteristic to the elementary physical education curriculum in the following areas: movement education, fundamental and manipulative skills, rhythmic activities and sport lead-up games. When Offered: Fall semester only

### **PHED 3324 - Performance-Based Assessment**

Credit Hours: 3

This course examines the evaluative process through the design and

application of performance-based assessment instruments. The course will focus on authentic assessment of standards-based instruction in the physical education setting from pre-school through adolescent grade levels.

**Prerequisite(s):** MATH 1507 or higher, PHED 3323

### **PHED 3325 - Instructional Strategies**

Credit Hours: 3

*Writing Intensive*

This course is based on a motor development perspective with regard to the design of curriculum, instructional plans and assessment instruments. The scope of this course addresses instructional strategies across the developmental span of prekindergarten through the high school levels in a physical education setting.

**Prerequisite(s):** ENGL 1102, PHED 3323

### **PHED 3326 - Early Psychomotor Development**

Credit Hours: 3

An analysis of the growth, development, and maturation of cognitive, psychomotor, affective and social sport behaviors of children. Students will explore activities pertinent to early childhood experiences.

### **PHED 3342 - Field Experience in Adapted Physical Education**

Credit Hours: 2-4

A field experience in working with institutions and organizations which provide services to the handicapped. Variable credit is dependent upon the nature and duration of the field experience.

**Prerequisite(s):** PHED 3343

### **PHED 3343 - Adapted Physical Education Activities**

Credit Hours: 3

This course is designed to provide an understanding of the areas of exceptionalities with an emphasis on the inclusion of students with high incidence disabilities in a physical activity environment. Instructional strategies in modifying physical activity to meet the needs of the individual are analyzed and

applied in an activity lab setting. There will be practical experience in the public-school setting. When Offered: Spring only  
**Prerequisite(s):** EDUC 2240

### **PHED 3350 - Physical Activity & Fitness Education**

Credit Hours: 3

*Writing Intensive Course*

This course introduces undergraduate students to the foundations and components of health-related physical activity and fitness programming across the lifespan. Emphasis is placed on applying theoretically and developmentally appropriate health-related fitness education concepts, training principles, assessments and physical activities in the instructional setting.

**Prerequisite(s):** C or better in PHED 3312

### **PHED 3353 - Field Experience in Sport Coaching**

Credit Hours: 2-4

Field experience will be provided to involve the student as an intern coach in either an intercollegiate or interscholastic sport program.

### **PHED 3354 - Sports Officiating**

Credit Hours: 2

This course involves the technical and theoretical aspects of sport officiating. The first-semester course will emphasize men's regulations common to the sport; the second semester will emphasize women's regulations common to the sport.

### **PHED 3355 - Scientific Foundations of Sport Coaching**

Credit Hours: 4

The student will examine basic human physiological adaptations that occur during participation in sport activities. Basic mechanical laws and principles and their application to the performance of sport activities will be studied.

### **PHED 3356 - Administration and Coaching of Sport**

Credit Hours: 3

This course focuses on basic psychological, philosophical and technical knowledge

and its relationship to the coaching of sport activities. Further emphasis will be placed on the principles and practices that are required in the planning, organization and administration of sport programs.

### **PHED 3357 - Sport & the Law**

Credit Hours: 2

The course examines a variety of sport situations that help students appreciate the legal and ethical dilemmas facing those who participate in and manage the sport enterprise. Students will gain understanding of a wide range of legal principles applicable to the role of the sport manager. A major focus of this course is the review of judicial opinions that frequently arise in cases involving organized sport. Required course When Offered: Spring, Odd Years

**Prerequisite(s):** BSBA 3306, Business Law I

### **PHED 3358 - Techniques of Sport Coaching**

Credit Hours: 6

A presentation of sport skill techniques in combination with the theoretical aspects of sport coaching. A field experience in sport coaching will be provided through an internship in two selected intercollegiate or interscholastic sports programs.

### **PHED 3360 - Strength & Conditioning Theory and Practice**

Credit Hours: 3

This course examines the scientific principles and procedures involved in the assessment of physical fitness and exercise prescription. Special attention is given to understanding and implication of methods and techniques associated with the design of strength and conditioning programs to enhance human performance in sport and fitness. Additionally, this course is designed to prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.

**Prerequisite(s):** C or better in PHED 3313 and PHED 3316

### **PHED 3365 - Activities in Outdoor Education**

Credit Hours: 1-3

This course provides experience in outdoor education, including backpacking, canoe-camping, rock climbing and other activities. Each weekend will be spent at a different location to develop a variety of outdoor educational skills.

**PHED 3366 - Field Experience in Outdoor Education**

Credit Hours: 1-3

This course offers extended outdoor educational experiences, including Appalachian Trail, river canoe-camping trips, and others. Credit will vary according to the length of the experience.

**Prerequisite(s):** PHED 3365

**PHED 3398 - Sport Management Internship**

Credit Hours: 1-12

This course comprises a directed internship in a particular area of specialization. Students will complete the internship in cooperation with a community agency or business, clinic, or other appropriate organization. Direct observation and on-the-job experience, through active participation in ongoing programs, will enable students to broaden their scope beyond the classroom.

**PHED 4400 - Research Methodology**

Credit Hours: 3

Introductory course in the planning and implementation of research in the study of human performance. Students will consider the topics of variables and hypotheses, research designs, data collection, analysis and interpretation.

**Prerequisite(s):** C or better in PHED 3316 or co-requisite PHED 3316 with approval.

**PHED 4410 - Research Design Seminar**

Credit Hours: 3

*Writing Intensive*

Survey of research in the historical, administrative, performance, motor development, philosophical, psychological and sociological issues in the current literature in the study of human movement. The student will select and design a research project in one of the specific

areas.

**Prerequisite(s):** C or better PHED 4400

**PHED 4420 - Exercise Science Internship**

Credit Hours: 3

The purpose of this internship is to provide students with the opportunity to gain practical experience in the field of fitness/wellness. This culminating experience allows students to apply theoretical knowledge to a "real-life" situation under the supervision of professionals currently in the fitness/wellness field.

**Prerequisite(s):** C or better in PHED 3316 & Senior Standing

**PHED 4431 - Methods and Materials in Teaching Physical Education**

Credit Hours: 3

The focus of this course is the application of instructional strategies, classroom management techniques and performance-based assessment across different developmental levels in the public-school setting. Practical experience in the public-schools is required.

**Prerequisite(s):** PHED 3325

**PHED 4450 - Advanced Sport**

Credit Hours: 1

This course is opened only to students with sufficient background in the techniques and methods of an indicated sport. Credit is not to be awarded until the student has attained junior standing and can be received only once during a student's academic career. This course is for elective credit only and cannot be used to fulfill the requirements in any degree program.

**PHED 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or

investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **Philosophy**

### **PHIL 1150 - Theories of Human Nature**

Credit Hours: 3

This course is an introductory survey on theories of human nature, covering a wide range of positions on what makes us human. The theories addressed in this course include positions coming from various religions (e.g., Christianity, Islam, Confucianism, Hinduism, Buddhism), classic philosophical systems (e.g. Plato, Aristotle, Marx, Sartre), and leading scientific frameworks (e.g., Darwinian Evolution). Each theory represents a complete system of thought, incorporating views on the universe and how we fit into it, a diagnosis of the problems facing humanity, and a sense for how we should best live our lives. Emphasis will also be placed on students developing the analytical and argumentative tools required for properly assessing theories of human nature. Elective Course.

### **PHIL 1199 - Special Topics in Philosophy**

Credit Hours: 1-12

The topic to be studied will be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

### **PHIL 2200 - Introduction to Philosophy**

Credit Hours: 3

This course serves as a general, topic-based introduction to philosophy. Philosophy wrestles with the enduring questions of life, including: Can we know anything about the external world? Do we have free will? How can someone change so dramatically over time and yet remain the same person? And does God exist? While these sorts of questions are difficult to resolve, this course emphasizes the skills needed to tackle them: to think critically, to construct and evaluate chains of reasoning,

and consider many perspectives on any given subject (which are highly transferable to other fields).

### **PHIL 2250 - Great Philosophers**

Credit Hours: 3

This course serves as an introduction to philosophy, using classic texts from the western philosophical tradition. Rather than being topic-based, this class focuses on prominent attempts to systematically answer a number of fundamental questions, including: Does knowledge rest on a foundation afforded by reason or the senses? Is there a privileged means of gaining knowledge? And are sensible objects ultimately physical objects or constructions of the mind? By examining how philosophers have systematically answered these (and other) questions, students will not only have the opportunity to evaluate major achievements in our intellectual tradition, but also reinforce how the answer to one major question can condition answers to others (making for a consistent, and potentially intricate, position). Emphasis will also be placed on students acquiring the basic analytical and argumentative tools for grappling with philosophical issues.

### **PHIL 2275 - Introduction to Logic and Critical Reasoning**

Credit Hours: 3

This course is an introduction to the study of arguments and critical reasoning, as well as how they occur in real-life contexts. Students are expected to learn the role and importance of arguments, how to recognize when arguments are being offered (as opposed, say, to definitions or explanations), how to extract and reconstruct them from their natural language settings, how to classify arguments, how to distinguish between good arguments and fallacious ones, and how to use them well. (Students preparing for the study of law will find this course especially helpful.) Elective Course

### **PHIL 3325 - Ethics**

Credit Hours: 3

A study and evaluation of classical and contemporary theories of right and wrong,



good and bad and inhuman conduct, with emphasis on the implications of these theories for resolving contemporary moral problems. The corrosion of dogmatic ethical positions through skepticism and relativism is examined, and helpful responses are introduced. Students will discuss problems in medical ethics as well.

**PHIL 3350 - Comparative Religion**

Credit Hours: 3

Description and analysis of the philosophical thought underlying the major religions of the world.

**PHIL 4400 - Seminar**

Credit Hours: 3

Research and reading for advanced students. Participants are required to write a paper on a philosophical issue of their interest.

**PHIL 4475 - Philosophy of History**

Credit Hours: 3

A survey of the philosophical positions, both speculative and analytical, that have been advanced to evaluate humanity's historical understanding and experience. Credit in either philosophy or European history.

**PHIL 4499 - Special Topics in Philosophy**

Credit Hours: 1-12

The topic to be studied (at an advanced level) will be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**Prerequisite(s):** at least one philosophy course or permission of the instructor

**PHIL 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or

investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

**Physical Science**

**PHSC 1199 - Special Topics in Physical Science**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

**PHSC 4412 - Elementary Science Methods**

Credit Hours: 3

This course is designed to prepare pre-service elementary school teachers to teach science. Students will work with equity, authentic assessment, technology integration, safety, and science pedagogy including inquiry, constructivism and problem-based learning. Students will conduct a learning cycle-based lesson with elementary students during an after-school program, and will construct an integrated thematic unit for use in an elementary classroom.

**Prerequisite(s):** EDUC 2260, GEOS 2201, GEOS 2202 all with a C or better

**PHSC 4430 - Science Integration Seminar**

Credit Hours: 1

This course is designed for students preparing to teach general science in middle and high schools. Teacher candidates will investigate the nature of science, the processes of science, and the inter-related nature of science disciplines. They will explore the science theme of Earth's Oceans to investigate the geoscience, biology, chemistry, physics content as it pertains to that theme. In addition, students will develop an original standards-based project-based module around an oceanography theme. Students should have completed a substantial portion of their science coursework before enrolling in this course  
When Offered: Fall

semester only

**Prerequisite(s):** Junior status and admission to Teacher Education

### **PHSC 4431 - Methods and Materials in Teaching Science**

Credit Hours: 3

The course is designed for students preparing to teach science at the middle or secondary-school level. Students will develop and teach a science lesson to junior high school children in the Science Enrichment Program. They will become familiar with science curriculum in the middle and secondary schools, science teaching resources, laboratory safety, test construction and classroom management skills, and will develop an instruction unit.

When Offered: Spring semester only

**Prerequisite(s):** EDUC 2260 or EDUC 6306

### **PHSC 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **Physics**

PLEASE NOTE:

PHYS 1105/PHYS 1106 substitutes for PHYS 1101/PHYS 1102 in all programs. PHYS 1105/PHYS 1106 is calculus based and is a more appropriate level of study than PHYS 1101/PHYS 1102 for science majors and some technology majors.

### **PHYS 1001 - General Physics I**

Credit Hours: 4

This course introduces students without a trigonometry-based math and science

background to general principles of motion and changes of motion by forces through the perspectives of Newton's Laws, Energy and Momentum. A three-hour laboratory period each week supplements the three lecture-recitation hours. Prerequisites are MATH 1507 or MATH 1530 or MATH 1407 or MATH 1430 or ACT Math 19 or new SAT Math score of 510 or ACCUPLACER QAS 250.

**Prerequisite(s):** MATH 1507 or MATH 1530 or MATH 1407 or MATH 1430 or ACT Math 19 or new SAT score of 510 or ACCUPLACER QAS 250

### **PHYS 1002 - General Physics II**

Credit Hours: 4

Lecture/Lab Hours: 1

This course introduces students with a minimal algebra and trigonometry-based math and science background to general principles of electricity and magnetism, light and aspects of modern physics. A three-hour laboratory period each week supplements the three lecture-recitation hours.

**Prerequisite(s):** PHYS 1001

### **PHYS 1101 - Introduction to Physics I**

Credit Hours: 4

Lecture/Lab Hours: A three-hour laboratory period each week supplements the three lecture-recitation periods

An introduction to elementary principles of mechanics, sound, and heat. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** MATH 1520 or MATH 1540 or MATH 2501 or MATH ACT 24 or old MATH SAT 560 or new MATH SAT 580 or College Level Math of ACCUPLACER 65 Transferable General Studies Course ^PHYS 1101~

### **PHYS 1102 - Introduction to Physics II**

Credit Hours: 4

A continuation of PHYS 1101; includes a study of electricity and magnetism, light and basic atomic and nuclear physics. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit

with the grade earned.

**Prerequisite(s):** PHYS 1101  
Transferable General Studies Course

### **PHYS 1104 - Introduction to Physics for Aviation**

Credit Hours: 4

This course introduces students to principles of mechanics and fluid mechanics (linear and rotational motion, force and torque, work and energy, buoyancy) and their application to flight (including fixed-wing aircraft, rotary-wing aircraft and lighter-than-air flight). When Offered: Spring Semester Only

**Prerequisite(s):** MATH 1540 or MATH 1585 or MATH 2501 or Math ACT 24 or old Math SAT 560 or new Math SAT 580 or College Level Math of ACCUPLACER 65.

### **PHYS 1105 - Principles of Physics I**

Credit Hours: 5

Lecture/Lab Hours: A three-hour lab period supplements a four-hour weekly lecture. Students are instructed in the elementary principles and calculus-based mathematical descriptions of matter and energy, including mechanics (linear and rotational motion, force, work and energy, harmonic motion), fluids, wave motion and thermal physics. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** MATH 2501 or TECH 2290 or MATH ACT 28 or old MATH SAT 630 or new MATH SAT 660 or College Level Math of ACCUPLACER 90  
Transferable General Studies Course  
^PHYS 1105~

### **PHYS 1106 - Principles of Physics II**

Credit Hours: 5

Lecture/Lab Hours: A three-hour lab period supplements the four-hour weekly lecture. Students are instructed in the elementary principles and calculus-based mathematical descriptions of electricity and magnetism, light, optics and modern physics. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

**Prerequisite(s):** PHYS 1105  
Transferable General Studies Course

### **PHYS 1199 - Special Topics in Physics**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the department chair. Credits earned will be applicable as free electives in degree and certificate programs.

### **PHYS 2201 - Demonstrations in Physics**

Credit Hours: 2

This course covers effective use of everyday materials to illustrate physical phenomena, experience with a variety of lecture equipment, and practice in planning and executing demonstrations. It is designed to serve teachers in both the elementary and secondary schools.

**Prerequisite(s):** Program Restriction: Physics teaching specialization

### **PHYS 2202 - Astronomy**

Credit Hours: 3

A study of the physical properties of the solar system, stars and galaxies, including the concepts of motion, space and time. Occasional night sessions.

**Prerequisite(s):** PHYS 1102 or PHYS 1106

### **PHYS 2203 - Nonlinear Dynamics and Chaos**

Credit Hours: 3

Students taking this course will apply geometric and numerical methods to predict the qualitative and quantitative behavior of certain natural systems occurring in physics, biology and chemistry, as well as in mechanical and electronic systems that are inherently nonlinear. Although analytic solutions are generally not available for such nonlinear systems, typical features in their evolution, such as bifurcations, chaotic behavior and fractals, will be modeled and studied by students taking this course. The prerequisites for this course are Calculus I and II (MATH 1586, or MATH 2502, or TECH 3300).

**Prerequisite(s):** MATH 1585, MATH 2502 or TECH 3300

**PHYS 3211 - Intermediate Physics IA - Newtonian Mechanics**

Credit Hours: 3

Students taking this course will build, examine and utilize scientific models of classical mechanics to conceptualize and understand the natural phenomena of motion and matter interactions. Students will apply these calculus-based models to a wide range of single and many-particle systems characterized by mass, electrical charge, atomic structure, and constant and variable interactions. Models include the principles of linear and angular momentum, Newton's laws, waves and oscillatory motion.

**Prerequisite(s):** PHYS 1102 or PHYS 1106 and MATH 1586 or MATH 2502 or TECH 3300

**PHYS 3212 - Intermediate Physics IB - Energy Perspectives**

Credit Hours: 3

Students taking this course will build, examine and utilize energy-based scientific models to conceptualize and understand the natural phenomena of motion and states of matter from an energy perspective. Students will apply these calculus-based models to systems involving gravitational, electric, atomic, and nuclear interactions. Models include the mechanical, thermal and electromagnetic energy of these systems.

**Prerequisite(s):** PHYS 3211 (at the same time with instructor's permission)

**PHYS 3221 - Intermediate Physics IIA - Electric Interactions**

Credit Hours: 3

Students taking this course will build, examine and utilize the scientific models of classical electricity and magnetism to conceptualize and understand the natural phenomena of electric interactions on a macroscopic level. Students will apply these calculus-based models to various important electrical systems and circuits.

**Prerequisite(s):** PHYS 3212

**PHYS 3222 - Intermediate Physics IIB - Electromagnetic Interactions and Semiconductor Devices**

Credit Hours: 3

Students taking this course will build, examine and utilize the scientific models of magnetic field, electromagnetic radiation and electron energy levels in solids to conceptualize and understand magnetic and electromagnetic phenomena, quantum phenomena in solids, and transistors. Students will apply these calculus-based models to electromagnetic interference, particle-wave duality, and semiconductor devices and circuits.

**Prerequisite(s):** PHYS 3221 (at the same time with instructor's permission)

**PHYS 3230 - Intermediate Physics Laboratory**

Credit Hours: 2

Students taking this course will systematically investigate aspects of the models and concepts of PHYS 3211-PHYS 3212 and PHYS 3221-PHYS 3222 through a set of laboratory experiences. The labs include preliminary research, and lab setups, analysis and reporting. Student reports will include oral presentations of their preliminary research and investigations, and demonstrations of their lab set-ups.

**Prerequisite(s):** PHYS 3221 (at the same time with instructor's permission)

**PHYS 3310 - Electricity and Electronics.**

Credit Hours: 4

Lecture/Lab Hours: Two hours of laboratory and three hours of lecture each week

A review of elementary direct and alternating current theory and transient responses of electrical components. Students are introduced to basic theory of vacuum tubes, semiconductors, amplifiers principles, and logic circuits.

**Prerequisite(s):** PHYS 1102 or PHYS 1106

**PHYS 3325 - Advanced Physics I**

Credit Hours: 4

An in-depth, rigorous, calculus-based treatment of thermodynamics, mechanics (including Newtonian mechanics, one-dimensional dynamics, oscillatory motion, vector analysis and central forces) and wave motion. A two-hour lab period supplements the three-hour weekly lecture.

The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom.

**Prerequisite(s):** (PHYS 1102 or PHYS 1106) AND (MATH 1586 or MATH 2502 or TECH 3300)

### **PHYS 3335 - Advanced Physics II**

Credit Hours: 4

An in-depth, rigorous, calculus-based treatment of modern physics, including relativity, particle-wave duality, electromagnetic radiation, Schrodinger's wave equation, atomic theory and nuclear physics. A two-hour lab period supplements the three-hour weekly lecture. The lab component provides open-ended, inquiry-based investigations along with greater responsibility for interpreting, utilizing and communicating results in the classroom.

**Prerequisite(s):** (PHYS 1102 or PHYS 1106) AND (MATH 2502 or TECH 3300)

### **PHYS 3340 - Special Problems**

Credit Hours: 2

Individual studies of problems of special interest in the field of physics, for advanced students.

**Prerequisite(s):** (PHYS 1102 or PHYS 1106) AND (MATH 1586 or MATH 2502 or TECH 3300)

### **PHYS 3350 - Mathematical Methods of Physics**

Credit Hours: 3

This course deals with the applications of vectors, vector algebra, vector analysis, differential calculus, integral calculus and differential equations to problems in physics and related scientific fields.

**Prerequisite(s):** (PHYS 1102 or PHYS 1106) AND (MATH 1586 or MATH 2502 or TECH 3300)

### **PHYS 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor

who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level  
**Prerequisite(s):** Instructor approval required

## **Political Science**

### **POLI 1100 - American Government**

Credit Hours: 3

A survey of the American political system, dealing particularly with the form and function of the federal system. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
POLI 1100~#

### **POLI 2200 - Introduction to Political Science**

Credit Hours: 3

A study of the fundamentals of politics and key issues, the concept of the state and its agent, government, types of political authority, the scope of governmental activities and the problem of world order. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
POLI 2200~#

### **POLI 2210 - Principles of International Relations**

Credit Hours: 3

A study designed to acquaint the student with the theory and practice of international relations.

### **POLI 2220 - Comparative Government**

Credit Hours: 3

This survey course is designed to foster a broad general acquaintance with the

political institutions and government practices of certain nations.

**POLI 2240 - Nonparametric Statistics**

Credit Hours: 3

This course introduces the student to the fundamental principles of descriptive and inferential statistics, with an emphasis on the analysis of nominal and ordinal data. Topics include nonparametric tests of significance, scaling, coding and a discussion of hypothesis construction. This course should be taken during the sophomore year. Students may take PSYC 2240 or SOCY 2240 in lieu of POLI 2240).

**Prerequisite(s):** One of the following, with a grade of C or better: MATH 1407, MATH 1507, or MATH 1530

**POLI 2299 - Selected Topics in Political Science**

Credit Hours: 3

An issue-oriented study of some germane matter in public administration. The course involves an extensive commitment to a single issue or policy area over the course of the semester. Repeatable up to 12 hours

**POLI 3300 - Public Administration**

Credit Hours: 3

This upper division course explores the politics of public administration. This course studies the origins, structures, and processes of government administration with a focus on administrative politics, law and ethics, organizational theory and technical fields, such as budgeting, planning, and personnel. Public administration involves the bureaucracy in the implementation of politics often authored by other institutions of government (the legislative, executive, and judicial branches).

**POLI 3302 - State and Local Government**

Credit Hours: 3

This course is designed to explore American state and local government structures and functions while focusing on constitutions, institutions, instruments of popular control, and intergovernmental relations. This course will examine a number of topics having to do with state and local politics with an emphasis on

comparing states and extra attention on the state and local government in West Virginia.

**POLI 3303 - Political Parties**

Credit Hours: 3

A study of the origins, growth and development of American political parties.

**Prerequisite(s):** POLI 1100

**POLI 3306 - The American Presidency**

Credit Hours: 3

This course will introduce the student to the institution of the American presidency and will also act as a comprehensive survey of the presidency. Students will examine several aspects of the office and a variety of views about the presidency.

**Prerequisite(s):** POLI 1100

**POLI 3307 - Congress and the Legislative Process**

Credit Hours: 3

This course introduces the student to the institution of the Congress and the legislative process. Topics include the internal processes and structure of Congress, Congress-constituent connections and its relationship with other branches and levels of government.

**Prerequisite(s):** POLI 1100

**POLI 3310 - Recent Political Theory**

Credit Hours: 3

An analysis of the development and theoretical foundations of three major political ideologies of the nineteenth and twentieth centuries: Communism, fascism, and democracy.

**POLI 3311 - Global Affairs**

Credit Hours: 3

This course analyzes major global issues facing the world today, such as human rights, terrorism, armed conflict, and peace. This course will also explore the politics of scarcity and security of energy resources, environment, economy, food and water resources, demographics and population growth, technology and information.

**POLI 3315 - National Security and Intelligence**

Credit Hours: 3

This course provides an overview of issues impacting US national security and intelligence. The first half of this course examines the workings of the US national security apparatus by explaining the missions, roles, and functions of the various instruments of national power. The second half of the course offers a survey of issues around the world impacting US national security such as regional conflict, weapons proliferation, terrorism, organized crime, access to energy, economic stability, and environmental degradation. Same Course As: NSIS 3315

### **POLI 3320 - US Foreign Policy**

Credit Hours: 3

This course explores U.S. foreign policy formulation and considers policies by areas and functions.

**Prerequisite(s):** POLI 1100

### **POLI 3325 - Politics of Intelligence**

Credit Hours: 3

This course examines the means and methods for setting intelligence priorities and ensuring that the activities of the United States Intelligence Community are conducted in a way that is constitutional, lawful, and consistent with American values. This course examines how intelligence oversight has evolved over time. This course explores intelligence oversight mechanisms within the Executive and Legislative Branches, as well as the informal oversight role played by the press and by public interest groups. Same Course As: NSIS 3325

### **POLI 3330 - U.S. National Security Policy**

Credit Hours: 3

This course will address the topic of U.S. national security policy from a historical-analytical, as well as contemporary perspective. The course begins with the National Security Act of 1947, proceeds through the impact of the 1986 Goldwater-Nichols reforms and ends with post-9/11 security considerations. The course will also focus on the policy process and current challenges in security policy including the Global War on Terror. Same Course As: NSIS 3330

### **POLI 3331 - Intelligence and Covert Action**

Credit Hours: 3

This course discusses the role the Intelligence Community plays in shaping and executing US national security policy, and how events since the end of the Cold War, 9/11, and the Iraq War have blurred the lines between analysis, operations, and policymaking. This course examines the role of the Intelligence Analyst, and examines how decision makers use and sometimes misuse Intelligence Community analysis - specifically addressing the issues of politicization of intelligence and policy prescriptive analysis. In addition, the course explores how the changing nature of intelligence operations (both collection and covert action) has given the Intelligence Community a more direct role in national security policymaking. Same Course As: NSIS 3331

### **POLI 3332 - Insurgency and Counterinsurgency**

Credit Hours: 3

This course examines the theoretical basis of modern insurgency and counterinsurgency warfare. It explores the "fathers" of insurgency as a political strategy - Mao, Guevara, and Giap - as well as the modern interpretation of insurgency as propounded by Zawahiri. This course reviews the underpinnings of counterinsurgency theory. A series of case studies will provide examples of how these theories play out in "real world" scenarios. Same Course As: NSIS 3332

### **POLI 3333 - Espionage, Counterintelligence and Strategic Deception**

Credit Hours: 3

This course examines the role that espionage, counterintelligence, and strategic deception play in US national security. It will define these terms, examine their "tradecraft" and explore their strengths and weaknesses. The course will address issues such as why people commit treason, the psychological relationship between the Case Officer and Asset, and the moral implications of using these tools

to advance US national security. Same Course As: NSIS 3333

**POLI 3334 - Fundamentals of Defense Intelligence**

Credit Hours: 3

This course explores the fundamentals of defense intelligence as they apply to the United States. This course examines where defense intelligence fits into the larger U.S. intelligence community. All aspects of the intelligence cycle will be examined including planning, collection, processing, analysis, production and dissemination. This course will also explore multiple collection disciplines that support U.S. military operations and how the large defense intelligence apparatus supports national strategic, operational and tactical level decision-making by everyone from the President down to the company commander. Same Course As: NSIS 3334

**POLI 3335 - Congress and National Security**

Credit Hours: 3

This course will examine the role of Congress in developing and shaping American national security policy. It will discuss Congress' formal and informal national security powers; the interplay among Congress, the presidency, and the courts; the impact of domestic and partisan politics on Congress' national security role; as well as the impact of special interest groups. Same Course As: NSIS 3335

**POLI 3350 - International Law and Organizations**

Credit Hours: 3

A study of the structure and functions of international institutions and legal processes involved in the effort to maintain peace and security in the world.

**POLI 3360 - Future Global Crises**

Credit Hours: 3

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are tailored to students' interests. Credit in Technology or Psychology.

**POLI 3365 - Homeland Security**

Credit Hours: 3

This course examines critical homeland security knowledge domains, including strategy, history, terrorism, fear management, crisis communication, conventional and unconventional threats, network leadership, weapons of mass destruction, lessons learned from other nations, civil liberties and security, intelligence and information, homeland security technology, and analytics. Same Course As: NSIS 3365

**POLI 3370 - World Religions and Politics**

Credit Hours: 3

This course will undertake a systematic and rigorous investigation of the relationship between politics and religion in a variety of countries around the world. Religion plays an important and contentious role in world politics and this course will analyze the philosophical thought underlying major world religions.

**POLI 3380 - Propaganda and Politics**

Credit Hours: 3

This course presents a critical analysis of the development, principles, strategies, media, techniques, and effects of propaganda campaigns from ancient civilizations to the modern technological society. The course focuses on propaganda in the context of government, religion, revolution, war, politics, and advertising, and explores implications for the future of propaganda in the cybernetic age. Same Course As: NSIS 3380

**POLI 3385 - Politics in Film and Fiction**

Credit Hours: 3

This course examines political films and fiction as they communicate an understanding of how politics work. While such films can provide an accurate depiction of the world, they can also stray substantially from political reality and this course will evaluate how they represent the political process.

**POLI 3390 - Law and the Legal System**

Credit Hours: 3

The course examines the role of law in the political system. Includes a survey of subfields in United States law and an



examination of participants, processes, and policy making in the United States legal system.

**POLI 3395 - Constitutional Law**

Credit Hours: NO CREDITS

This course examines the development, interpretation and application of basic principles of constitutional law in the United States. The course will be concerned with the definition, extents and limitations of governmental powers and rights of Americans. Same Course As: CRIM 3395

**Prerequisite(s):** POLI 1100

**POLI 4400 - Research in the Social Sciences**

Credit Hours: 3

*Writing Intensive*

Students will explore the interaction of theory, research, and practice: the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. Same Course As: CRIM 4400 and NSIS 4400

**Prerequisite(s):** ENGL 1102 Junior or Senior status

**POLI 4404 - Civil Liberties in the US**

Credit Hours: 3

A study of the nature and substance of civil liberties in the United States. The philosophy underlying the Bill of Rights will be analyzed and students will discuss the development of each of the great freedoms protected therein, such as free speech, free press, and free religion among others. Particular attention will be given to how the Supreme Court has interpreted and applied the guarantees contained within the Bill of Rights in specific instances.

**Prerequisite(s):** POLI 1100

**POLI 4405 - Terrorism**

Credit Hours: 3

A course designed to give the student an understanding of the problem of terrorism and political violence. The course will define terrorism, examine its origins, characteristics, nature and trends, analyze

in detail various terrorist organizations and address selected problems in the response to terrorism. Credit in Political Science or Criminal Justice.

**POLI 4410 - Problems in American Government**

Credit Hours: 3

A study of current problems affecting the structure and function of American national government.

**Prerequisite(s):** POLI 1100

**POLI 4411 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world conducted on an interdisciplinary basis. The area selected, and the time span studied will be determined by the instructor. Same Course As: NSIS 4411

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

**POLI 4412 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world conducted on an interdisciplinary basis. The area selected, and the time span studied will be determined by the instructor. Same Course As: NSIS 4412

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

**POLI 4413 - Area Studies**

Credit Hours: 3

Studies of selected areas or regions of the world conducted on an interdisciplinary basis. The area selected, and the time span studied will be determined by the instructor. Same Course As: NSIS 4413

**Prerequisite(s):** Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly

**POLI 4415 - International Problems**

Credit Hours: 3

This course covers the foreign policies of several nations and the machinery

established for the peaceful adjudications of international differences.

**POLI 4420 - Supreme Court of the United States**

Credit Hours: 3

This course will examine the Supreme Court of the United States. The topics this course will explore include the evolution of the judiciary and its effects on the other branches of government, how the Court functions, the influence of the Court on the incorporation of civil liberties, internal institutions of the Court and models of judicial decision-making, and issues concerning judicial appointments.

**POLI 4425 - Military Justice**

Credit Hours: 3

This course examines and evaluates current military legal practice and issues relevant to the Armed Forces of the United States. This course provides an examination of the history and principles of military justice and comparison of the military and civilian justice systems. Topics include the Uniform Code of Military Justice, military crimes, non-judicial punishment, jurisdiction of general and special military courts, military judges and panels, self-incrimination, search and seizure, pretrial confinement and restraint, plea bargaining, sentencing and appellate review in military courts.

Same Course As: NSIS 4425

**POLI 4435 - Intelligence Law**

Credit Hours: 3

This course will explore and examine the U.S. Intelligence Community and the legal framework governing the actions taken by the US government. The course will provide students with an overview of the Intelligence Community and the key legal authorities that support and guide the Intelligence Community. Same Course As: CRIM 4435 and NSIS 4435

**POLI 4440 - National Security Law**

Credit Hours: 3

This course will explore the distribution of national security powers amongst the three coordinate branches of government - Legislative, Executive & Judicial and engage students in understanding the laws

and policies that govern important critical issues in the national security arena. Same Course As: CRIM 4440 and NSIS 4440

**POLI 4445 - Law of Armed Conflict/International Humanitarian Law**

Credit Hours: 3

This course provides students with a general understanding of the international legal regulation of armed conflict - including humanitarian law, human rights law and international criminal law. The aim of the course is to enable students to understand the legal challenges of current and future armed conflicts, as well as enable them to critically analyze and evaluate concrete cases using both legal and political analysis. This is achieved by applying knowledge from readings and classes to a number of contemporary case studies with a specific emphasis on the role of international organizations such as the ICRC and U.N. Same Course As: NSIS 4445

**POLI 4455 - Model United Nations**

Credit Hours: 1-12

Model UN provides an academic learning experience through the simulation of the structures, processes, and issues of the member nations of the United Nations Organization. The Model UN class offers students a unique opportunity to learn about international relations while role-playing United Nations delegates.

Repeatable up to four times not to exceed 12 credit hours. Same Course As: NSIS 4455

**POLI 4460 - Political Science Practicum**

Credit Hours: 1-12

A professional internship with a government or political agency, designed to give students pertinent experience in a particular field of political science.

**Prerequisite(s):** POLI 1100, Instructor approval required

**POLI 4490 - Capstone Seminar in Political Science**

Credit Hours: 3

A survey of recent developments in the practice and theory of politics, with an emphasis on independent study.

**Prerequisite(s):** Instructor approval required

**POLI 4499 - Special Topics in Political Science**

Credit Hours: 1-12

Studies in special selected topics to be determined by the instructor and approved by the program advisor. Individual students with specific interests work on a tutorial basis with an appropriate professor. Repeatable up to 12 credit hours.

**POLI 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for students to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Psychology****PSYC 1101 - Introduction to Psychology**

Credit Hours: 3

A general overview of the science of psychology. Topics include science methodology, life-span psychology, personality theory, consciousness, stress, health and coping, learning theory, psychological disorders, biopsychology, sensation, cognition and memory and social psychology. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned. Transferable General Studies Course PSYC 1101~#

**PSYC 1150 - Introduction to Healthcare Professions**

Credit Hours: 3

This course is designed to introduce students to the basic tenets of health and

well-being, healthcare settings, and a variety of healthcare professions. Students will learn about different health professions, how health professions impact health and well-being, and the different settings in which healthcare professionals work. Emphasis will be placed on how roles within healthcare settings intersect to support the goal of personal and public health. Same Course As: ALLH 1150 and SOCY 1150; students may receive credit for the course only once

**PSYC 1160 - Exploration of Healthcare Professions**

Credit Hours: 2

Students will explore healthcare settings through service learning projects. Students will partner with community groups/agencies that provide health-related services to citizens of North Central WV and beyond. Emphasis will be placed on teamwork, collaboration, and the achievement of personal and public health goals. This is a 2-credit course. Same Course As: ALLH 1160 and SOCY 1160; students may receive credit for the course only once

**PSYC 2220 - History and Systems of Psychology**

Credit Hours: 3

Traces the development of the science of psychology from its origins in philosophy, physiology and medicine to the modern era.

**Prerequisite(s):** PSYC 1101

**PSYC 2230 - Social Psychology**

Credit Hours: 3

This course covers the scientific study of how individuals think, feel, and behave in a social context. Topics include the self, stereotypes, prejudice and discrimination, attitudes, conformity, group processes, attraction, helping and aggression. Same Course As: SOCY 2230; credit may be received for either PSYC 2230 or SOCY 2230, but not both

**Prerequisite(s):** PSYC 1101 or SOCY 1110

**PSYC 2240 - Behavioral Statistics**

Credit Hours: 3

This course covers elementary statistical

description and analysis, as employed particularly in the behavioral sciences. Same Course As: SOCY 2240; credit may be received for either SOCY 2240 or PSYC 2240, but not both

**Prerequisite(s):** MATH 1407/MATH 1507 or ACT > 19

### **PSYC 2250 - Community Psychology**

Credit Hours: 3

This course consists of lectures, discussion, readings and field observation designed to acquaint the student with the philosophy, technique and theory of community mental health. (Course may be taken to partially fulfill psychology elective requirement).

**Prerequisite(s):** PSYC 1101

### **PSYC 2260 - Industrial and Personnel Psychology**

Credit Hours: 3

A study of psychological concepts and methods as applied to personnel management, human-factors engineering, employee selection, motivation, training, productivity, consumer psychology and human relations. (Course may be taken to partially fulfill psychology elective requirement)

**Prerequisite(s):** PSYC 1101

### **PSYC 2270 - Introduction to Social Work**

Credit Hours: 3

This course is an introduction to the profession of social work and the philosophical, societal and organizational contexts within which professional social work activities are conducted. This course provides the opportunity for students to explore their interest in and potential for a career in social work. It introduces the knowledge, skills and values of social work as a profession and explores the role of social workers within the broad area of social welfare and social services. This course emphasizes the value base of social work practice and its commitment to social and economic justice. Same Course As: SOCY 2270

**Prerequisite(s):** PSYC 1101 or SOCY 1110

### **PSYC 3300 - Abnormal Psychology**

Credit Hours: 3

A survey of the antecedents, diagnosis,

treatment and prevention of various maladjustments and personality disturbances.

**Prerequisite(s):** PSYC 1101

### **PSYC 3305 - Research Methods in the Behavioral Sciences**

Credit Hours: 4

Lecture/Lab Hours: This course includes three hours of instruction and one hour of Lab

Research methods provides an introduction to: 1) the scientific method used in the behavioral sciences; 2) the design and control of research experiments; 3) the statistical analysis of data; 4) the communication of research results; and 4) an introduction to the application of ethics in the practice of research. Various observational, relational and experimental approaches are presented and include but are not limited to: survey research, interviewing, content analysis, experiments, ethnographies, focus groups, historical analysis, and analysis of secondary data. Same Course As: SOCY 3360; Credit may be received for either PSYC 3305 or SOCY 3360 but not both.

**Prerequisite(s):** PSYC 2240 or SOCY 2240

### **PSYC 3310 - Experimental Psychology**

Credit Hours: 3

An introduction to the procedures of experimental research, design and evaluation, using laboratory techniques.

**Prerequisite(s):** PSYC 2240 or SOCY 2240

### **PSYC 3320 - Sensation and Perception**

Credit Hours: 3

An examination of the classical concepts in sensation and perception and of the resulting psycho-physical data for each of the major senses, with an emphasis on vision and audition. Psychology and modern perceptual formulations are viewed through the lens of empirical data. (Course may be taken to partially fulfill psychology elective requirement).

**Prerequisite(s):** PSYC 1101

### **PSYC 3330 - Developmental Psychology**

Credit Hours: 3

A longitudinal study of behavior change

and development through the life span of the individual, from conception through the end of life.

**Prerequisite(s):** PSYC 1101

**PSYC 3350 - Biopsychology**

Credit Hours: 3

This course focuses on the basic development, structure and function of the central nervous system, autonomic nervous system and endocrine system. The emphasis is on the relationship between physiological functioning and the behavior of the intact organism.

**Prerequisite(s):** PSYC 1101

**PSYC 3360 - Cognitive Psychology**

Credit Hours: 3

The study of thinking, memory, perception, cognition and verbal behavior.

**Prerequisite(s):** PSYC 1101

**PSYC 3370 - Theories of Learning**

Credit Hours: 3

A study of the experimental procedures, data and concepts dealing with changes in behavior that are usually defined as learning. The emphasis is on a detailed analysis of various theories of learning and contemporary approaches.

**Prerequisite(s):** PSYC 1101

**PSYC 3390 - Research Capstone**

Credit Hours: 3

*Writing Intensive*

A detailed study of the methodological and philosophical issues involved in the analysis of behavior. The course objectives are to provide insight into the nature of applied scientific research, to foster the ability to construct empirical hypotheses, to develop facility in designing experimental tests of hypotheses, to promote effective reading and evaluation of psychological research and to encourage professional writing and speaking about psychological theory and experimentation.

**Prerequisite(s):** ENGL 1102, and PSYC 3305 or SOCY 3360

**PSYC 3393 - Future Global Crises**

Credit Hours: 3

A team-taught, multi-disciplinary study of

potential developments in the world. Areas of concentration are tailored to students' interests. (Credit in Political Science or Technology).

**Prerequisite(s):** PSYC 1101

**PSYC 3395 - Psychology of Substance Abuse**

Credit Hours: 3

This course covers current research and trends related to substance use, abuse, dependence, and treatment. Emphasis will be placed on development of practical knowledge and skills that can be used when dealing with populations that are directly or indirectly impacted by substance use and abuse.

**Prerequisite(s):** PSYC 1101

**PSYC 3399 - Special Topics in Psychology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the College's chairperson. Credits earned will be applicable as free electives in degree and certificate programs. (Course may be taken to partially fulfill psychology elective requirement).

**Prerequisite(s):** PSYC 1101

**PSYC 4400 - Psychometrics**

Credit Hours: 3

This course addresses the general theory of measurement as involved in various areas of psychology, such as psychological tests, attitude scales, psychophysics and qualified behavior theory.

**Prerequisite(s):** PSYC 2240 or SOCY 2240

**PSYC 4410 - Theories of Personality**

Credit Hours: 3

A critical consideration of the major theories of personality, including Psychodynamic, Cognitive, Cognitive Behavioral, Behavioral, Existential, Trait, Adlerian and Gestalt theory. The basis of personality theoretical development will also be emphasized.

**Prerequisite(s):** PSYC 1101

**PSYC 4460 - Seminar**

Credit Hours: 3-6

The discussion of specific research topics

as reported in contemporary psychological literature is emphasized in this particular course. It is designed specifically to promote students' analytical thinking and presentation, as it pertains to current research investigation. May be repeated once

**Prerequisite(s):** PSYC 1101

**PSYC 4470 - Intervention Techniques and Applications**

Credit Hours: 3

A detailed study of operant techniques and methodologies, from the experimental laboratory to the community at large.

Emphasis is placed on the development of skills in the observation, manipulation and evaluation of various behavior-control techniques in the light of ethical concerns.

**Prerequisite(s):** PSYC 1101 and PSYC 4410

**PSYC 4480 - Directed Studies**

Credit Hours: 1-3

Intensive study and reading on a topic selected by the student and instructor.

Requirements and credit must be decided before registration through instructor-student consultation. Repeatable Six-hour limit (Course may be taken to partially fulfill psychology elective requirement).

**Prerequisite(s):** PSYC 1101 and Instructor approval

**PSYC 4485 - Advanced Psychometrics**

Credit Hours: 3

This course covers personnel selection and placement, as well as a more advanced treatment of reliability and validity. Skills in these areas are developed. (Course may be taken to partially fulfill psychology elective requirement.)

**Prerequisite(s):** PSYC 4400 and Instructor approval required

**PSYC 4487 - Practicum I**

Credit Hours: 3

(Course may be taken to partially fulfill psychology elective requirement.)

**PSYC 4489 - Practicum II**

Credit Hours: 3

These Practica afford an application of knowledge and techniques developed within the Industrial-Personnel Program.

Students work under supervision in participating businesses, industries and institutions. The remaining time is spent in lectures, discussion and reading to enhance the student's training. (Course may be taken to partially fulfill psychology elective requirement.)

**Prerequisite(s):** Instructor approval required

**PSYC 4490 - Directed Research**

Credit Hours: 1-3

This course provides an opportunity for work on individual library or experimental projects. Requirements, including a thesis, and credit must be decided before registration through instructor student consultation. Repeatable Six-hour limit (Course may be taken to partially fulfill psychology elective requirement.)

**Prerequisite(s):** PSYC 1101 and Instructor approval required

**PSYC 4491 - Psychopathology of Childhood and Adolescence**

Credit Hours: 3

Problems of etiology, diagnosis and treatment of maladjustment in childhood and adolescence. Students will analyze and discuss problems like drug addiction and juvenile delinquency. (Course may be taken to partially fulfill psychology elective requirement.)

**PSYC 4493 - The Psychology of Aging**

Credit Hours: 3

A study of problems facing the aging. The psychological, social and physiological aspects of aging and methods of treatment are analyzed and discussed. (Course may be taken to partially fulfill psychology elective requirement.)

**PSYC 4494 - Interpersonal Dynamics**

Credit Hours: 3

The main objective of this course is to develop techniques and basic skills required for effective operation in psychological settings such as interviews, role-playing, and facilitation of dyadic and small "dynamics-centered" group interaction. These diagnostic and therapeutic methods are experienced and discussed in terms of various psychological theories of communication. (Course may

be taken to partially fulfill psychology elective requirement.)

**Prerequisite(s):** PSYC 1101 and Instructor approval required

### **PSYC 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Recreation**

### **RECR 1141 - Foundations of Outdoor Recreation**

Credit Hours: 3

This lecture-based course introduces the historical and philosophical foundations of leisure and recreation in society. Students will cultivate the knowledge needed to develop concepts concerning recreation, the socio-economic movement affecting the growth and development of recreation, the economic services and the various areas of facilities used in recreation and the role of citizens in the process.

### **RECR 1142 - Social Recreation**

Credit Hours: 3

This course is designed to present material and information necessary to adequately conduct social recreation in clubs, churches, campus, playgrounds and recreation centers. Students will be involved with planning, programming, and conducting social recreational activities.

### **RECR 1143 - Outdoor Recreation**

Credit Hours: 3

An examination of the history and

development of outdoor recreation, conservation and organized camping. Opportunities are provided to learn camp craft and leadership skills and techniques through field trips and outings.

### **RECR 1150 - Introduction to Rock Climbing**

Credit Hours: 2

This course will focus on the basics of safe and responsible rock climbing. Topics include knots, equipment and care, belaying, rappelling, anchor building, and climbing techniques. Students will be required to participate in rappelling, rock climbing, belaying, and anchor building activities.

### **RECR 1151 - Backcountry Living Skills**

Credit Hours: 2

This Recreation course is designed to provide: physical, mental, and social challenges that will introduce the participants to the basic concepts and techniques for recreating and surviving in the backcountry using Leave No Trace methods. Students will actively engage in backpacking, camping, and survival activities in order to further develop hard skills and environmental ethics.

### **RECR 1153 - Seminar in Outdoor Recreation**

Credit Hours: 2

This course provides an advanced experience in the organization and presentation of various outdoor programs. Participation includes a number of weekend and extended outdoor experiences, plus field studies in area outdoor facilities.

**Prerequisite(s):** RECR 1143

### **RECR 1154 - Recreation Field Work I**

Credit Hours: 2

The student will become acquainted with the nature and diversity of available recreation programs and services. The student will be assigned to recreational settings distinctly different in philosophy, organizational structure and clientele served.

### **RECR 1155 - Recreation Field Work II**

Credit Hours: 2

A continuation of RECR 1154, this sequence of field work courses is developmental. Progress develops from a dependent position to an interdependent position.

**RECR 1177 - Introduction to Adventure Water Sports**

Credit Hours: 2

This course provides an introduction to various adventure water activities including one or all of the following: canoeing, kayaking and white-water rafting. Students will investigate trip planning, water safety, "Leave No Trace" ethics, and equipment use and care. Students will be introduced to these activities through experiential learning in the swimming pool and trips on regional rivers. All students must pass a basic swim test to show competency and ease in the water

**RECR 1178 - Scuba Diving "Open Water Certification"**

Credit Hours: 2

This course will cover all necessary requirements to obtain the open water certification.

**Prerequisite(s):** PHED 2232 or PHED 2233 or 3381

**RECR 1188 - Introduction to Adventure Winter Sports**

Credit Hours: 2

This course provides an introduction to various adventure water activities including one or all of the following: Cross country skiing, Snow Shoeing, Downhill Skiing, Snowboarding, Winter Camping and Mountaineering. Students will be introduced to these activities through experiential learning in and around campus and trips to regional ski and Nordic centers.

**RECR 1199 - Special Topics in Recreation**

Credit Hours: 1-12

Special selected topics will be studied, to be determined by the instructor and approved by the College's chairman. Credits earned will be applicable as free

electives in degree and certificate programs.

**RECR 2220 - Program Planning and Organization**

Credit Hours: 3

A presentation of the underlying principles for effective recreation planning. Attention is given to the variety of programs associated with recreation and the interests of the participants. Students will also examine methods of planning, organization, leadership, facilities and equipment. Independent Study.

**Prerequisite(s):** Instructor Approval

**RECR 2250 - Select Topics in Certification**

Credit Hours: 2

In this course, students will acquire a certification "of their choice" related to the field of outdoor recreation. The students will be required to document 30 hours of instruction and work experience and accomplishment of the desired certification. Choice of certification must be preapproved by the chair or instructor.

**RECR 3300 - Intramural Administration**

Credit Hours: 3

This course provides administrative experience in directing and supervising institutional physical recreational programs. (The course cannot replace or be used in the fulfillment of other program requirements.) When Offered: The course will be offered both semesters on an arranged basis

**Prerequisite(s):** Junior standing

**RECR 3301 - Day Camp Administration**

Credit Hours: 3

In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp). When Offered: This course will be offered on an arranged basis during the first and second summer sessions only

**Prerequisite(s):** Junior standing

**RECR 3330 - Group Leadership**

Credit Hours: 3

This course presents information on group dynamics, leadership styles, activity



facilitation, risk management, liability issues, and planning. Students will obtain practical knowledge of group situations and principles necessary for effective leadership. Opportunities to develop their own leadership skills through peer teaching will be provided.

### **RECR 3340 - Internship/Camp Administration**

Credit Hours: 3

In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp) or choose an internship that provides an equal or greater learning and work experience. Internships must be preapproved by instructor. Students will be required to obtain an internship in the field of recreation approved by instructor. Students will be required to fulfill 120 hours of documented work experience from their supervisor.

**Prerequisite(s):** Junior standing RECR 1151 and RECR 3330

### **Science**

#### **SCIE 1100 - Human Biology**

Credit Hours: 4

Lecture/Lab Hours: This course includes 3 hours of lecture and 2 hours of lab per week

Human Biology is an introductory course intended for non-science majors and is specifically designed to enable students to relate human structure and function to everyday life. Topics include basic human genetics, structure and function of the human body, relationship of humans to their environment, and public health. Current topics related to human biology are discussed throughout the semester.

#### **SCIE 1103 - Science That Matters**

Credit Hours: 4

Socially-relevant science topics are investigated in an interdisciplinary (biology, chemistry, earth and space science, and physics), activities-based, modular format. Two-to three-week modules present both the process and content of science as a vital part of major contemporary issues. In each module,

students explore the underlying science and employ collaborative learning and evidence-based analysis to understand the topic and formulate personal judgments about the issue. The course is heavily web-based, with no printed text, and meets for two-hour class periods twice a week.

#### **SCIE 1105 - Environmental Science**

Credit Hours: 4

This course meets twice a week with lecture and activity-based learning during each time period. The course introduces students to the biotic and abiotic world and human's impact on it. Students will review our current understanding of biology, chemistry and geology and learn how these concepts are applied to environmental science. This knowledge will be used to address current issues in environmental science dealing with specific problems. These activities will be based on real world environmental problems ranging from those of indigenous peoples to global warming. Individuals completing the course will have gained insight into human impact on the environment through an understanding of physical, chemical, and biological principles. They will also develop a greater understanding of human, cultural and societal concerns as related to the environment and will be more able to appreciate cost and benefits related to them.

#### **SCIE 1107 - Geographic Information Systems**

Credit Hours: 4

This course meets two times per week and is a flipped (Lecture material is covered by students outside of class and applied in class), application-based course requiring a working knowledge of computer applications such as Excel and Windows Explorer. This is an interdisciplinary course designed to introduce students to spatial thinking and its application through the use of Geographic Information Systems (GIS) software. Students will be introduced to basic concepts in cartography including the role of other spatial technologies (aerial photography, remote sensing, and Global Positioning Systems - GPS) as they

relate to GIS applications. Students will also learn how to find data to answer specific questions by using GIS software and completing a semester project using GIS to address an issue of interest to them, and applicable to their fields of endeavor. Lecture content is provided online in the form of Power Point files and through readings from the text. Students are quizzed over this content online before working over it in class. Class time is used to learn Software application, complete exercises and work on a semester project.

### **SCIE 1115 - Earth and Sky**

Credit Hours: 4

For non-science majors, this course is designed to give students a greater appreciation of the world around them. The course focuses on observable, useful science by an integrated approach of meteorology and astronomy from the perspective of Earth. Topics cover the Earth's formation, its weather, and its place in the Universe. Students investigate both the process and content of science through activities, collaborative learning, guest speakers, and local field trips. Concepts are applied to weather and astronomy observations as well as critical environmental issues. The course uses a printed text and meets for two-hour class periods twice a week.

### **SCIE 1120 - Introduction to Meteorology**

Credit Hours: 4

A non-technical treatment of the fundamentals of modern meteorology and the effects of weather and climate. This course gives a broad overview of the basics of meteorology, including temperature, air pressure, relative humidity, wind speed and direction, cloud formation, and atmospheric stability. This will provide a clear understanding of the "behind the scenes" work of the daily weather patterns.

### **SCIE 1130 - The Science of Disasters**

Credit Hours: 4

This course is designed to engage students interested in the science behind geological and many human-made disasters. This course introduces geology with special emphasis on geological processes such as

plate tectonics, movement of fluids such as wind, water, and ice, and gravity-driven movements of materials. It presents the principles underlying from geologic history, written historical accounts, and today's headlines. The course assesses some of man's attempts to engineer solutions to geological problems, global and extraterrestrial forces as they affect the planet, and our current understanding of the cause and effect of climate change. This course is conducted primarily in lecture and discussion format with the inclusion of in-class exercises and relevant case studies presented in web format.

### **SCIE 1199 - Special Topics in Science**

Credit Hours: 1-4

Studies in special selected topics, to be determined by the instructor and approved by the college dean. Credits earned will be applicable as free electives in degree and certificate programs.

### **SCIE 1210 - Science in the Heart of Appalachia**

Credit Hours: 4

During this course you will explore the science underlying the formation, extraction and utilization of coal within the context of coal-based societal issues. The course will emphasize active, student-centered learning. Topics include the formation of different coal types, why coal is such an excellent source of energy, acid mine drainage, environmental pollution, human health issues, and the future of new coal technologies. You will investigate the important, intractable social problems of non-renewable resource depletion, mountaintop removal-valley fills and public health. You will be challenged to examine your role as a citizen and energy consumer in finding equitable solutions to these and other issues.

### **SCIE 1220 - Geologic Heritage in the Field**

Credit Hours: 4

Designed for non-science majors and no prerequisites, this course explores introductory geology concepts in the classroom and through field trips. Topics include the Earth's formation, plate

tectonics, geologic time, mineral and rock identification, landform interpretation, and their relationship to cultural history. Students investigate both the process and content of geology through activities, collaborative learning, and local field trips. Concepts are applied to deciphering the state's ancient geology, geography, and critical environmental issues. The course primarily uses handouts with a suggested textbook. The class meets for two-hour class periods twice a week that include local field trips during class time plus 3 or 4 daylong field trips on the weekends to areas of interest.

### **SCIE 1230 - Student Projects in Space**

Credit Hours: 4

Students taking this course will be introduced to concepts of science, scientific investigation and project engineering through a series of enjoyable and progressively more challenging projects, from bridge-building to a weather balloon rising 100,000 ft into the stratosphere. Concepts of physics, chemistry, engineering technologies, and business will be used to successfully complete the projects. Emphasis is placed on individual and team problem solving, systems thinking, and project management.

### **SCIE 1250 - Life in The Cosmos**

Credit Hours: 4

This Astronomy course guides students in observing and understanding the make-up and evolution of the universe.

Observations and comprehension of the cosmos are examined historically from ancient civilizations to modern exploration, as well as scientifically, from the human view of the heavens to the role of galaxies and beyond. This course allows students to discover how nature works and is modeled by science so they can see how the entire cosmos has been necessary to make possible our life on earth. Occasional night sessions.

### **SCIE 2200 - Ocean Issues & Society**

Credit Hours: 4

This online project-based science course is designed to teach science concepts within

the theme of ocean issues such as Coral Bleaching, Offshore Drilling, Garbage Gyres, and Dead Zones. The fifteen modules focus on the biology, chemistry, physics, and geology content and processes needed to understand ocean issues. Each module explores student understanding of the issue, promotes ocean science literacy, investigates impacts on the ocean and/or terrestrial environment, and consists of application projects requiring engagement with science, technology, and societal needs.

### **Safety**

#### **SFTY 1100 - Safety and Environmental Components of Industry**

Credit Hours: 3

This course provides an introduction to OSHA and EPA regulations pertaining to general and construction industry record keeping, OSHA/EPA inspection, fire, chemical exposure, most frequent violations and other topics.

#### **SFTY 1150 - Safety Management and Concepts in Accident Prevention**

Credit Hours: 3

An introductory examination of safety management principles, with an emphasis on recordkeeping, hazard identification, product safety and behavioral-based safety, as related to accident prevention.

**Prerequisite(s):** SFTY 1100, MATH 1510

#### **SFTY 2210 - Disaster Preparedness and Emergency Systems**

Credit Hours: 3

A study of the major elements of disasters and emergencies, including systematic and organized methods of preparedness planning for these events.

#### **SFTY 2250 - Safety Law and Compliance**

Credit Hours: 3

This course is a study of federal and state regulations governing general industry and product safety, with an emphasis on various legal problems related to OSHA and general industry.

**Prerequisite(s):** SFTY 1100

#### **SFTY 2280 - Construction Safety & Law**

Credit Hours: 3

This course covers federal construction regulations and the case law surrounding the construction industry.

**Prerequisite(s):** SFTY 2250, MATH 1520

### **SFTY 2290 - Industrial Hygiene and Toxicology**

Credit Hours: 4

This course covers the methods for anticipating, recognizing, evaluating and controlling exposures in the workplace while exploring the toxicological effects of contaminants on workforces.

**Prerequisite(s):** SFTY 1150, CHEM 1102, SFTY 2250

### **SFTY 2291 - Environmental Engineering Technology: Hazardous Waste**

Credit Hours: 4

This class provides a comprehensive study of federal/state regulations and legislation pertaining to the Environmental Protection Agency. Coverage shall include EPCRA, TSCA, RCRA, CWA and CAA as related to generation, storage and disposal of chemicals and waste in industry.

**Prerequisite(s):** CHEM 1102, SFTY 2250

### **SFTY 3300 - Industrial Hygiene Applications and Practices**

Credit Hours: 4

*Writing Intensive*

A continuation of SFTY 2290, this course allows students to explore and apply the industrial hygiene sampling methodologies applicable to different chemical, biological and thermal exposures in the workplace. This is a hands-on class, focusing on the utilization of sampling equipment. It satisfies the Writing Intensive requirement for General Studies.

**Prerequisite(s):** ENGL 1102, SFTY 2290

### **SFTY 3310 - Ergonomics & Human Factors**

Credit Hours: 3

This class will explore the interaction between the design of the workplace and the worker, with an emphasis on anatomical/physiological stressors and common work-related musculoskeletal disorders. It will also focus on redesign and

elimination of said stressors and cognitive factors related to the work environment.

**Prerequisite(s):** SFTY 1100, CHEM 1102, BIOL 1180 and BIOL 1181

### **SFTY 3355 - Air & Water Pollution**

Credit Hours: 3

This course is designed as a continuation of SFTY 2291 - Environmental Engineering Technology: Hazardous Waste. This course will extend the student's knowledge in environmental regulations related to the CAA and CWA. Students will also be introduced to various control technologies related to air and water pollution.

**Prerequisite(s):** SFTY 2291

### **SFTY 3360 - Fire Prevention**

Credit Hours: 3

An examination of fire prevention, detection and suppression. The NFPA Life safety Code will be addressed, as well as basic water supply and hydraulics, including distribution systems.

**Prerequisite(s):** SFTY 1100, CHEM 1102

### **SFTY 4400 - Safety Engineering Design**

Credit Hours: 3

This course covers design engineering and engineering countermeasures needed to minimize losses incurred by man and the environment.

**Prerequisite(s):** SFTY 2250, PHYS 1102

### **SFTY 4415 - Safety Internship**

Credit Hours: 3

Students shall complete an advisor-approved safety internship. Responsibilities must be in the field of employee safety and/or health.

**Prerequisite(s):** SFTY 2290 and instructor approval required

### **SFTY 4420 - System Safety and Management**

Credit Hours: 3

A study of System Safety methodologies and Process Safety management, with an emphasis on safety audits, safety management, risk assessment, loss control and statistical applications.

**Prerequisite(s):** MATH 1550

**Corequisite(s):** SFTY 4400

**SFTY 4480 - Application of Safety Strategies**

Credit Hours: 4

This course is designed to serve as a capstone course for Occupational Safety majors. Students are required to successfully complete an approved senior project in the field of Safety, Health or Environmental. This course requires successful student participation on teams, in presentations, employee training and professional written communications.

**Prerequisite(s):** SFTY 4420

**SFTY 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Sociology****SOCY 1110 - Introductory Sociology**

Credit Hours: 3

This course focuses on social interaction and group behavior with an emphasis on the scientific study of contemporary society. Topics include issues relating to socialization, culture, and inequality. Using these concepts students will analyze relationships among the institutions of family, religion, politics, and work. Course is transferable as general studies credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
SOCY 1110~#

**SOCY 1150 - Introduction to Healthcare Professions**

Credit Hours: 3

This course is designed to introduce students to the basic tenets of health and well-being, healthcare settings, and a variety of healthcare professions. Students will learn about different health professions, how health professions impact health and well-being, and the different settings in which healthcare professionals work. Emphasis will be placed on how roles within healthcare settings intersect to support the goal of personal and public health. Same Course As: ALLH 1150 and PSYC 1150; students may receive credit for the course only once

**SOCY 1160 - Exploration of Healthcare Professions**

Credit Hours: 2

Students will explore healthcare settings through service learning projects. Students will partner with community groups/agencies that provide health-related services to citizens of North Central WV and beyond. Emphasis will be placed on teamwork, collaboration, and the achievement of personal and public health goals. This is a 2-credit course. Same Course As: ALLH 1160 and PSYC 1160; students may receive credit for the course only once

**Prerequisite(s):** ALLH 1150 or SOCY 1150 or PSYC 1150

**SOCY 1199 - Special Topics in Sociology**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the College's chairperson. Credits will be applicable as sociology major and minor electives, or as free electives in other degree and certificate programs.

**SOCY 2200 - Social Problems**

Credit Hours: 3

In this course students will use a sociological perspective to critically examine problems in society. Topics include concerns related to families, education, the workplace, the media, poverty, crime, drug abuse, health issues, war and terrorism, the environment, and

global concerns. Individual and social action as a potential solution to these problems will also be addressed.

### **SOCY 2205 - Principles of Race, Class, and Gender**

Credit Hours: 3

This course is an introduction to the sociological analysis of race, class, and gender in contemporary society. This course explores how race, class, and gender are constructed, reinforced, and maintained in society. Students will critically analyze how systems of power and inequality affect cultural norms, social interactions, and institutional structures. Over the course of the semester, students will develop an appreciation for the multidimensional and complex nature of the issues underlying the construction and intersection of race, class, and gender.

### **SOCY 2220 - Population Studies**

Credit Hours: 3

Population studies, also referred to as demography, involves the study of human populations' size, composition and distribution. Population growth is examined, as well as many of the factors responsible for population growth. Interrelationships among demographic, social, economic and environmental factors are investigated, in the context of population issues and problems.

**Prerequisite(s):** SOCY 1110

### **SOCY 2222 - Careers in Sociology**

Credit Hours: 1

This one credit-hour service-learning course is designed to give first and second-year sociology students a first-hand experience within their field of study and begin the process of differentiating between the career paths offered with a sociology degree. Students will expand their knowledge of career possibilities, develop civic engagement, and identify examples of sociology in action by volunteering with community partner organizations in the local community. Required for Sociology Major NA When Offered: Spring Only

**Prerequisite(s):** SOCY 1110

### **SOCY 2230 - Social Psychology**

Credit Hours: 3

This course covers the scientific study of how individuals think, feel, and behave in a social context. Topics include the self, stereotypes, prejudice and discrimination, attitudes, conformity, group processes, attraction, helping and aggression. Same Course As: PSYC 2230 - Social Psychology; credit may be received for either PSYC 2230 or SOCY 2230, but not both

**Prerequisite(s):** PSYC 1101 or SOCY 1110

### **SOCY 2240 - Behavioral Statistics**

Credit Hours: 3

This course covers elementary statistical description and analysis, as employed particularly in the behavioral sciences. Same Course As: PSYC 2240 - Behavioral Statistics; credit may be received for either PSYC 2240 or SOCY 2240, but not both

**Prerequisite(s):** MATH 1507 or higher

### **SOCY 2270 - Introduction to Social Work**

Credit Hours: 3

This course is an introduction to the profession of social work and the philosophical, societal and organizational contexts within which professional social work activities are conducted. This course provides the opportunity for students to explore their interest in and potential for a career in social work. It introduces the knowledge, skills and values of social work as a profession and explores the role of social workers within the broad area of social welfare and social services. This course emphasizes the value base of social work practice and its commitment to social and economic justice. Same Course As: PSYC 2270

**Prerequisite(s):** PSYC 1101 or SOCY 1110

### **SOCY 3301 - Cultural Anthropology**

Credit Hours: 3

A study of human biological and social origins, including human prehistory, race, the origin and nature of culture, social organizations among preliterate peoples, cultural diffusion and culture change.

When Offered: Offered in Spring semester

**Prerequisite(s):** SOCY 1110

### **SOCY 3310 - Sociology of the Family**

Credit Hours: 3

A study of the background, structure and function of the American family, with emphasis placed on the effect of social change upon the family. The meaning of the paired relationship is examined, along with alternatives to marriage and the family.

**Prerequisite(s):** SOCY 1110

### **SOCY 3320 - Sociology of Education**

Credit Hours: 3

Sociology of Education studies the institution of education and its interconnections with individuals, other social institutions, and broader society. This course examines sociological perspectives on how individual, school, and social factors influence students and teachers. Attention is paid to the roles of gender, race, ethnicity, class, and place in shaping educational attainment, achievement, and opportunity. We also examine the role of schools in their local and national context, as well as the recent policy changes and challenges affecting those roles.

Offered: Fall Only

**Prerequisite(s):** SOCY 1110 OR SOCY 2200

### **SOCY 3325 - Work, Stratification, and Class**

Credit Hours: 3

The course includes an analysis of social structure and stratification in terms of class, status and power relations in society; students will examine various theories and research findings.

**Prerequisite(s):** SOCY 1110 and SOCY 2205

### **SOCY 3335 - Sociology of Gender**

Credit Hours: 3

This course is an introduction to and analysis of the sociological subfield of gender and the diverse theories that are often utilized to understand the creation and social construction of gender, sex, and sexuality. Topics include an analysis of gender stratification, inequality, privilege, and culture, and the way gender intersects with sex, sexuality, race, ethnicity, nationality, age, ability, and religion.

**Prerequisite(s):** SOCY 1110

### **SOCY 3340 - Juvenile Delinquency**

Credit Hours: 3

A study of what society defines as delinquent behavior and of the young people designated as delinquents. Emphasis will be placed on the causes of delinquency and on the various techniques and methods of prevention, treatment and rehabilitation.

**Prerequisite(s):** SOCY 2200

### **SOCY 3345 - Sociology of Sexualities**

Credit Hours: 3

This course is an introduction to and analysis of the social construction of sexual desires, activities, and identities and how they vary across time and place. Topics include the emergence of sexual and gendered identities, the historical and current inequalities and discrimination faced by gender non-conforming individuals, heterosexual and cisgender privileges, activism/mobilization to challenge discrimination, and the ways sexuality operates in and through various social institutions.

**Prerequisite(s):** SOCY 1110

### **SOCY 3350 - Sociology of Religion**

Credit Hours: 3

This course seeks to introduce undergraduate students to the nature and functions of religious beliefs and institutions in modern societies, with a primary emphasis on conditions in the contemporary United States.

### **SOCY 3360 - Research Methods in the Behavioral Sciences**

Credit Hours: 4

Lecture/Lab Hours: This course includes three hours of instruction and one hour of Lab

Research methods provides an introduction to: a) the scientific method used in the behavioral sciences; b) the design and control of research experiments; c) the statistical analysis of data; d) the communication of research results; and e) the application of ethics in the practice of research. Various observational, relational and experimental approaches are presented and include but are not limited to: survey research,

interviewing, content analysis, experiments, ethnographies, focus groups, historical analysis, and analysis of secondary data. Same Course As: PSYC 3305; credit may be received for either PSYC 3305 or SOCY 3360, but not both.

**Prerequisite(s):** PSYC 2240 or SOCY 2240

**SOCY 3365 - Sociology of Appalachia**

Credit Hours: 3

An introduction to the Sociology of Appalachia with attention to politics, the persistence of poverty, economic development, and environmental justice in the Region. Students will examine the definitions of and stereotypes about Appalachia, their functions, and their implications for diverse Appalachian identities. Students will learn about the unique circumstances of social problems in the Region in areas such as education, health, criminal justice, the environment, the family, social change, the economy, and other key social institutions. No When Offered: Spring Only Elective in the Social Problems and Collective Behavior cluster

**Prerequisite(s):** SOCY 1110 OR SOCY 2200

**SOCY 3370 - Concepts of Survey Design**

Credit Hours: 3

This course is a project-centered exploration of concepts in survey design. The role and mechanics of developing a survey instrument in the context of an overall research project will be reviewed. Topics will include translating research goals into a research design, probability sampling, questionnaire construction, data collection (including interviewing techniques), data processing, and ethical considerations. When Offered: Offered in Spring semester

**Prerequisite(s):** SOCY 2240 OR PSYC 2240

**SOCY 3390 - Social Change**

Credit Hours: 3

This course will introduce students to paradigmatic theories of social movement. Topics covered may include conditions under which social actors organize collectively to engage in social change; how theorists understand these movements, their emergences, their potentials, and their successes or failures;

and the state of social movement along with collective politics in "complex" societies. This course will introduce students to both mainstream theories of social movement and alternative ways of conceptualizing contemporary social movement.

**Prerequisite(s):** SOCY 2220

**SOCY 3395 - Sociological Theory**

Credit Hours: 3

*Writing Intensive*

A study of the historical development of modern sociological thought. When Offered: Offered in Fall semester

**Prerequisite(s):** ENGL 1102 and SOCY 1110 Junior or senior standing

**SOCY 4410 - Sociology of Work**

Credit Hours: 3

A study of the organization, structure, function and social relationships found in the various areas of industrial activity in American society. The area of industrial relations will receive special emphasis.

**Prerequisite(s):** SOCY 1110

**SOCY 4450 - Race and Ethnicity**

Credit Hours: 3

A study of racial and cultural minority groups in the United States, with special emphasis upon understanding the causes of their perseverance and the reason for majority-minority antagonisms. Students will also examine the techniques whereby prejudices are developed and ameliorated.

**Prerequisite(s):** SOCY 1110 and SOCY 2205

**SOCY 4461 - Advanced Methodology**

Credit Hours: 3

This course will critically compare the various stages of social research, such as conceptualization of hypothesis, measurement, experimental design, sampling, data collection, data analysis and data interpretation. Within this format, various special topics will be developed, depending upon the available resources.

**Prerequisite(s):** SOCY 3360 or PSYC 3305; Instructor approval required

**SOCY 4471 - Advanced Sociological Theory: A Critical Review**



Credit Hours: 3

A comparison, contrast and critical examination of certain selected sociological theorists.

**Prerequisite(s):** SOCY 3395 or Instructor approval required

### **SOCY 4480 - Senior Capstone**

Credit Hours: 3

This course serves as a culminating experience for the undergraduate study in sociology. It is designed to help students synthesize what they have learned in sociology and make the transition to the next stages of their lives. This will be achieved through two related activities. First, students will build on previous coursework in theory and research methods to create an original, article-length research paper analyzing sociological data. Second, students will investigate recent trends in the economy and labor market, collect data on an occupation they are planning to pursue after graduation, and interview people working in that field. Students should end this senior seminar with a sense of pride in what they have accomplished as sociology majors and a clearer vision for their future career.

**Prerequisite(s):** SOCY 3370 - Concepts of Survey Design and SOCY 3395 - Sociological Theory

### **SOCY 4487 - Directed Study in Sociology**

Credit Hours: 1-6

Intensive study and reading on a topic selected by the student and instructor. Requirements and credit must be decided before registration through instructor-student consultation. Repeatable Up to 3 credit hours may be applied to the sociology major elective requirements

**Prerequisite(s):** Instructor approval required

### **SOCY 4488 - Practicum in Sociology**

Credit Hours: 1-6

A specially arranged course designed to give the student practical experience in work settings related to sociology. Students will work with the course supervisor to develop contacts at an agency of interest before registering for the course, and their work will be

supervised by an identified field supervisor as well as the course supervisor. A minimum of 120 hours in the position is necessary for 3 credit hours. Repeatable Up to 3 credit hours may be applied to the sociology major elective requirements

**Prerequisite(s):** Instructor approval required

### **SOCY 4489 - Directed Research in Sociology**

Credit Hours: 1-6

This course is an experiential learning activity that provides the student an opportunity to engage in original research under the guidance of a faculty mentor. The student in collaboration with a faculty mentor will identify a project topic and outline the requirements for said project before registering for the course.

Repeatable Up to 3 credit hours may be applied to the sociology major elective requirements

**Prerequisite(s):** Instructor approval required

### **SOCY 4490 - Seminar: Sociological Literature**

Credit Hours: 1-12

A course focusing on original sources and publications not primarily used as texts.

**Prerequisite(s):** SOCY 3395 or Instructor approval required

### **SOCY 4497 - Seminar: Special Problems in Sociology**

Credit Hours: 1-12

Reading and research on subjects suited to the student's needs. Restrictions: Open only to juniors and seniors majoring in Sociology.

**Prerequisite(s):** SOCY 3395 or Instructor approval required

### **SOCY 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each

student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Spanish**

### **SPAN 1101 - Elementary Spanish I**

Credit Hours: 3

Designed for the student with little or no prior experience with Spanish. Students will practice Spanish pronunciation and will learn basic grammar as they develop skills in reading, writing, speaking and comprehension. Students will develop communication skills in situations related to everyday living, both at home and in the workplace. Students with two years or more of high school Spanish should register for SPAN 1102.

### **SPAN 1102 - Elementary Spanish II**

Credit Hours: 3

A continuation of SPAN 1101. Students expand their skills and knowledge of grammar while reading, writing, speaking and building a broad vocabulary base. Students will develop communication skills in situations related to everyday living, both at home and in the workplace.

### **SPAN 1199 - Special Topics**

Credit Hours: 3

Studies in selected topics, to be determined by the instructor and approved by the chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

### **SPAN 2200 - Spanish Language Film and Video**

Credit Hours: 3

A survey of Peninsular and Latin American media. Media are usually subtitled; no prior knowledge of Spanish required.

### **SPAN 2201 - Intermediate Spanish I**

Credit Hours: 3

Students integrate the grammar studied with the skills acquired in SPAN 1101 and SPAN 1102, and become familiar with

more sophisticated grammatical structures. The course will focus on reading, writing, and communication skills in situations related to everyday living, both at home and in the workplace.

### **SPAN 2202 - Intermediate Spanish II**

Credit Hours: 3

The fourth and last course of the basic language program, this course is a continuation of SPAN 2201. The course emphasizes the development of speaking, listening, reading, and writing skills for effectively communicating in Spanish at the intermediate level within a cultural-based context. At the end of this course students should have attained a skill level of intermediate in all four skills mentioned above, the communicative modes (Interpersonal, Interpretive, and Presentational), and the five goals (Communication, Cultures, Connections, Comparisons, and Communities) recommended by the Proficiency Guidelines classifications of the American Council on Teaching Foreign Languages (ACTFL). Students participate in pair, small-group and whole-class activities that focus on the meaningful and accurate communication of information in the target language. The class is conducted entirely in Spanish.

### **SPAN 2250 - Spanish For the Medical Professions**

Credit Hours: 3

This course is designed to enable the student to effectively manage the fundamentals of medical terminology in Spanish. When Offered: Offered on demand

**Prerequisite(s):** SPAN 1102

### **SPAN 2251 - Spanish for Criminal Justice**

Credit Hours: 3

This course enables the student to effectively manage the fundamentals of law enforcement terminology in Spanish.

**Prerequisite(s):** SPAN 1102

### **SPAN 2252 - Spanish for a World Economy**

Credit Hours: 3

This course is designed to enable the

student to effectively manage the fundamentals of business terminology in Spanish.

**Prerequisite(s):** SPAN 1102

### **SPAN 3300 - Undergraduate Student Exchange**

Credit Hours: 3-6

Any student who participates in an exchange program which is approved by his/her advisor may receive three to six credit hours, depending upon the type of program and its duration.

**Prerequisite(s):** SPAN 1102

### **SPAN 3301 - Spanish Composition and Conversation I**

Credit Hours: 3

*Writing Intensive*

This course is designed for students who wish to develop proficiency in Spanish by integrating the four language skills and also increase their knowledge of Hispanic cultures and societies using authentic materials and literature. Students who enroll in this course should already have attained an acceptable proficiency in Spanish. This course should help students to develop their Spanish proficiency across three communicative modes (Interpersonal, Interpretive, and Presentational), and the five goals (Communication, Cultures, Connections, Comparisons, and Communities) recommended by the Proficiency Guidelines classifications of the American Council on Teaching Foreign Languages (ACTFL). Classroom activities are highly interactive and focus on speaking and writing in the target language at an advanced level.

**Prerequisite(s):** SPAN 2202

### **SPAN 3302 - Spanish Composition and Conversation II**

Credit Hours: 3

This course, a continuation of SPAN 3301, is designed for students who wish to acquire a solid knowledge of those major points of Spanish grammar. Students who enroll in this course should already have attained an acceptable proficiency in using Spanish. Through discussion and correction of assigned exercises, analysis of

authentic readings, and contrastive study of Spanish and English syntax and lexicon, students will develop an awareness of the norms of standard Spanish with the aim of incorporating these features into their own oral and written linguistic production.

Classroom activities focus on writing in the target language at an advanced level.

SPAN 3301 and 3302 can be taken in any order, but it is strongly recommended to take SPAN 3301 before 3302.

**Prerequisite(s):** SPAN 2202

### **SPAN 3310 - Spanish Civilization and Culture**

Credit Hours: 3

The students will study the history, civilization, and culture of Spain through extensive reading, videos, writing and class discussion.

**Prerequisite(s):** SPAN 3301 or SPAN 3302

### **SPAN 3320 - Latin American Civilization and Culture**

Credit Hours: 3

The students will study the history, civilization, and culture of Latin America through extensive reading, videos, writing and class discussion.

**Prerequisite(s):** SPAN 3301 or SPAN 3302

### **SPAN 3350 - History of the Spanish Language**

Credit Hours: 3

This class is an introduction to the historical development of the Spanish lexicon, morphology, and phonology. It is designed for the student with little or no previous background in linguistics.

**Prerequisite(s):** SPAN 3301 or SPAN 3302

### **SPAN 3399 - Special Topics**

Credit Hours: 3

Special topics in Spanish.

### **SPAN 4400 - Survey of Latin American Literature**

Credit Hours: 3

This class covers the major movements in Latin American literature, from Pre-Colombian times through the present. Students will be exposed to the major genres (poetry, prose, and drama) through extensive reading and will become familiar

with the greatest writers of Hispanic literature.

**Prerequisite(s):** SPAN 3301 or SPAN 3302

**SPAN 4401 - Survey of Peninsular Literature**

Credit Hours: 3

This class focuses on the major movements in Peninsular literature, from the Spanish Middle Ages through the present. Students will be exposed to the major genres (poetry, prose, and drama) through extensive reading and will become familiar with the greatest writers of Spanish literature.

**Prerequisite(s):** SPAN 3301 or SPAN 3302

**SPAN 4402 - Independent Study**

Credit Hours: 3-6

Students may participate in a variety of programs designed to help them attain a higher level of fluency and a greater understanding of Hispanic culture.

**Prerequisite(s):** SPAN 4400 or SPAN 4401, and Instructor approval required

**SPAN 4410 - Advanced Skills: Speaking, Writing, Listening and Reading**

Credit Hours: 3

In this class, students will continue developing advanced communication skills needed for the required PRAXIS exam, and ACTFL OPI (Oral Proficiency Interview) as well as the optional ACTFL WPT (Writing Proficiency Test). Students will work towards reaching the ACTFL standard of "Advanced Low," the proficiency level ACTFL recommends for graduating World Language majors.

**SPAN 4411 - Spanish Capstone: Proficiency Portfolio**

Credit Hours: 1

In this class, students create a Spanish language and cultural proficiency portfolio addressing ACTFL World-Readiness Standards for Learning Languages. Students are expected to integrate the five goal areas of the Standards (communication, culture, connections, comparisons and communities) into a cohesive language and cultural proficiency framework needed for graduation.

**Prerequisite(s):** SPAN 4400 or SPAN 4401

**SPAN 4418 - U.S. Hispanic Cultures & Literature**

Credit Hours: 3

This course studies the history of the Hispanic presence in the US, its influence upon contemporary US culture, society, and economy and the politics of language. Materials studied include newspaper articles, essays, films and plays.

**Prerequisite(s):** SPAN 3310 or SPAN 3320

**SPAN 4431 - Methods: Second Language Acquisition in the Classroom**

Credit Hours: 3

Taught in English. In this class, foreign language teaching majors will study the methodology of second language acquisition and its application in the classroom, familiarize themselves with national foreign language instruction standards, design lesson plans, teach mini-lessons, participate in peer evaluation and become familiar with the latest pedagogical technologies available.

**Prerequisite(s):** SPAN 4400 or SPAN 4401, and Instructor approval required

**SPAN 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

**Special Education**

**SPED 2520 - Linking Policy and Practice in Special Education**

Credit Hours: 3

Required. This course introduces participants to complex situations across

developmental ranges of Individuals with Exceptionalities (IWE) from kindergarten through twelfth grade, therefore demonstrating the importance of ongoing attention to legal matters and serious consideration of professional and ethical issues. Course participants will analyze IDEA and other policy related to special education practice. They will analyze and describe special education as an evolving and changing discipline based on philosophies, evidence-based principles, theories, policies, and historical points of view that continue to influence the field. Course participants will demonstrate an understanding of how technology is used to support and manage all phases of planning, implementation, and evaluation. Procedures for determining eligibility, drafting an Individualized Education Plan (IEP), facilitating meetings, and planning for transition services will be covered in this course.

**Prerequisite(s):** EDUC 2240

**SPED 3520 - Behavior Analysis, Intervention, and Support**

Credit Hours: 3

Required. This course focuses on the principles and practices of positive behavioral supports, research-based applied behavior analysis, and behavior intervention strategies used to create a positive environment for teaching and learning which will include strategies used in schools, classrooms, and for students with exceptionalities. Upon successful completion of this course, the beginning special educator will be able to skillfully create safe, inclusive, culturally responsive learning environments so that individuals with exceptionalities become active and effective learners who develop emotional well-being, positive social interactions, and self-determination. This course will include clinical applications.

**Prerequisite(s):** EDUC 2240

**SPED 4520 - Assessment and Instruction of Individuals with Exceptionalities (IWE)**

Credit Hours: 4

Required. This course emphasizes strategic instruction across curricular content areas

to individualize learning for students with mild to moderate exceptionalities. Course participants will select a variety of formal and informal assessments and will analyze information from assessments to develop evidence-based comprehensive instructional programs that support mastery, promote generalization, and enhance critical thinking for individuals with mild to moderate exceptionalities. Course participants will explain how assistive and instructional technology can be used to help students with disabilities access the general education curriculum. Procedures for consulting and collaborating with other professionals to support students will be emphasized throughout the course. This course will include clinical applications.

**Prerequisite(s):** EDUC 2240 and EDUC 2260

**Social Science**

**SSCI 1199 - Special Topics in Social Science**

Credit Hours: 1-12

Studies in special selected topics, to be determined by the instructor and approved by the College's chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

**SSCI 4431 - Methods and Materials of Teaching Social Studies**

Credit Hours: 3

A survey of theory and practice in secondary school social studies. Students participate in laboratory exercises using various techniques of social studies teaching. Each student is also required to plan and teach at least one micro-unit.

When Offered: Fall semester only

**Prerequisite(s):** Successful completion of PPST AXIS Test

**SSCI 4498 - Interdisciplinary Seminar**

Credit Hours: 3

Identification and synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. When Offered: Fall semester only

**Prerequisite(s):** Instructor approval required  
(No prerequisites for History Majors)

### **SSCI 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable  
Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

### **Technology**

#### **TECH 1100 - Technology and Society**

Credit Hours: 3

A study of the basic knowledge and understanding of the societal impacts of technology. Students will research basic fields in technology such as medicine, manufacturing, communication, transportation, biotechnology, environmental issues, technology transfer, and appropriate technology, to determine current trends. Students will be required to select one area where technology has affected society in a positive and/or negative way. Each student will be required to research and make an oral presentation on the selected topic.

#### **TECH 1101 - Introduction to Technology**

Credit Hours: 3

In this course, students will apply knowledge, tools, and skills to solve problems and extend their human capabilities. The goals of this course are for all students to develop some measure of Technological Literacy, while understanding the uniqueness of technology in human endeavors. A multidisciplinary approach to technology requires students to incorporate skills and

techniques in all aspects of life.

Interpersonal skills and relationships will be explored as students are challenged with collaborative hand-on problem-based learning activities. This course is intended as a survey of the discipline of technology and technological systems.

#### **TECH 1102 - Preventive Maintenance**

Credit Hours: 3

This course is the beginning class for all students interested in a heavy equipment career. Many employers require a commercial driver's license of the employee. This course supports a CDL by providing the student with instruction on preventive maintenance practices, scheduled procedures, documents, and D.O.T. required record system and on determining the needs for repair.

#### **TECH 1104 - Technology Design & Problem Solving**

Credit Hours: 3

This course provides incoming students with the prerequisite knowledge and skills for required technology systems classes that follow. Students will study the philosophy, rationale, and current curriculum trends in Technology Education. The course will also focus on basic design and drafting techniques, laboratory and machine tool safety practices and design and problem-solving processes used in technological career fields. Class methodology will include both lecture and applied experiences with tools, equipment and processes of technology.

#### **TECH 1108 - Engineering Graphics I**

Credit Hours: 3

This course contains essentials of engineering graphics for engineering technology students. Content and emphasis of the course is to provide competency in technical sketching, blueprint reading, CAD applications, applied geometry, orthographic projection, section, dimensioning, tolerances, threads and fasteners, weldments, detail and assembly drawing, charting and basic elements of descriptive geometry.

**TECH 1150 - Control Technology**

Credit Hours: 3

This course addresses the mechanical, fluid, electrical, electronic and computer instrumentation used to regulate technical products and systems. Students will develop knowledge and skills of common control-related components/devices and apply them to the solution of practical problems found in typical technology education settings.

**Corequisite(s):** TECH 1104

**TECH 1199 - Special Topics**

Credit Hours: 1-12

A study of special topics of educational, technical, or industrial concern.

**Prerequisite(s):** Instructor approval required

**TECH 2202 - Transportation I**

Credit Hours: 4

A study of the means by which mass is moved from one point to another. This will be achieved by studying the propulsion, guidance, control, suspension, structure and support elements of a wide variety of transportation subsystems. Students will complete an historic timeline of transportation and will deliver an oral presentation on a specific transportation propulsion system.

**Prerequisite(s):** TECH 1104

**TECH 2203 - Manufacturing I**

Credit Hours: 4

This course deals with an introduction to the inputs, processes and outputs of the manufacturing system. The methodology of the course will involve students with selected research, development and production processes of the manufacturing system. More specifically, each student will design and engineer a middle school or high school-level product. They will then perform selected production planning, plant engineering, and quality control activities to prepare their product for mass-production. The results of these activities will be developed into camera-ready copy production packets. Finally, each student will set up a production line for the class to mass-produce a limited number of their products, using jigs, fixtures, and/or other

mass-production related tooling.

**Prerequisite(s):** MANF 1100, TECH 1104

**TECH 2204 - Construction I**

Credit Hours: 4

This introductory course in construction is designed to acquaint students with the impacts of construction on society, basic concepts of architectural design, construction accoutrements (materials, tools and equipment), specifications and contracts, and processes involved in residential construction. Students will complete an historic timeline of construction and will deliver an oral presentation on a specific residential construction topic. Students will perform several traditional construction activities such as materials testing, card structures, and building a residential model.

**Prerequisite(s):** TECH 1104, MANF 1100

**TECH 2208 - Engineering Graphics II**

Credit Hours: 3

This course is a continuation of TECH 1108 - Engineering Graphics I. It covers advanced concepts in 3D geometry; parametric solid modeling; geometric dimensioning and tolerancing using ANSI and ISO standards; working drawings and fasteners. Emphasis is placed on a thorough understanding of 3D solid modeling to create engineering graphics in civil, electrical, and mechanical engineering technology.

**Prerequisite(s):** TECH 1108

**TECH 2250 - History of Technology**

Credit Hours: 3

A survey course from prehistorical tool-making to atomic energy and computers in the twentieth century. Credit in History or Technical Education.

**TECH 2290 - Engineering Analysis I**

Credit Hours: 4

This course covers technical problem solutions, utilizing analytical geometry and calculus. Topics include curvilinear motion, related rates, curve sketching, maximal and minimal problems, areas, volumes, centroids and moments of inertia by integration.

**Prerequisite(s):** Sophomore standing MATH

1520 with a grade of C or better or MATH ACT 25

### **TECH 2299 - Special Topics**

Credit Hours: 1-12

A study of special topics of educational, technical, or industrial concern.

**Prerequisite(s):** Instructor approval required

### **TECH 3300 - Engineering Analysis II**

Credit Hours: 4

A continuation of the study of problem-solving procedures, utilizing calculus. Topics include transcendental functions, partial derivative, double integration, methods of curve fitting, series expansion and differential equations.

**Prerequisite(s):** TECH 2290 or MATH 1585 , or MATH 2501 with a grade of C or better

### **TECH 3301 - Communication**

Credit Hours: 4

This is a study of the technical means by which humans communicate. The emphasis will be on electronic and graphic forms of communication. The social/cultural aspects of communication will be studied, as well as the technical components. The course is designed for prospective junior and senior high school technology education teachers, and will be focused on general education.

**Prerequisite(s):** BISM 1500, TECH 1104

### **TECH 3302 - Manufacturing II**

Credit Hours: 4

This course deals with the analysis of the inputs, processes and outputs of the manufacturing system. The methodology of this class is to simulate the organization and operation of a manufacturing corporation. Students will elect a board of directors and a company president and will organize departments in research and development, industrial relations, finance, production and marketing. The class will design and engineer a college-level product, plan for mass-production, finance the production through common stock sales or other financial means, mass-produce the product, and market it in the school or local community.

**Prerequisite(s):** TECH 2203

### **TECH 3303 - Transportation II**

Credit Hours: 4

A study of the means by which mass is moved from one point to another. This will be achieved by studying the environments system elements, and social/cultural aspects of the transportation system. The course is designed for prospective junior and senior high school technology education teachers, and will be focused on general education.

**Prerequisite(s):** TECH 2202

### **TECH 3304 - Construction II**

Credit Hours: 4

This course deals with an analysis of the inputs, processes, and outputs of the construction system. The methodology of this course will involve selected structural design and analysis, and structural production processes which are used by humans to construct building structures, non-building structures (bridges, tunnels, dams, etc.) and transportation structures/surfaces. This course is designed to provide teacher education majors with an overall view of the construction system that can be applied to middle school and high school classroom situations. The primary methodology in this course is structural model building and testing.

**Prerequisite(s):** TECH 2204

### **TECH 3310 - Man and Technology**

Credit Hours: 3

A historical study of humans and technology as a basis for the development of contemporary philosophical systems.

**Prerequisite(s):** Junior standing

### **TECH 3331 - Organization and Administration of Technology Education**

Credit Hours: 4

This course is designed to prepare the pre-service technology education teacher to effectively organize and manage a technology education classroom and laboratory. Emphasis is placed on safety system design, discipline planning, laboratory organization and management, requisitioning/supplies/equipment, machine maintenance and facility design. Also included are topics relating to curriculum trends, Technology Student



Association (TSA) and public relations.  
**Prerequisite(s):** TECH 3303 and TECH 3304

### **TECH 3393 - Future Global Crises**

Credit Hours: 3

A team-taught, multi-disciplinary study of potential developments in the world. Areas of concentration are subject to students' choice. (Credit also available in Political Science or Psychology)

**Prerequisite(s):** Junior standing

### **TECH 3399 - Special Topics**

Credit Hours: 1-3

A study of special topics of educational, technical or industrial concern.

**Prerequisite(s):** Instructor approval required

### **TECH 4400 - Work Experience Seminar**

Credit Hours: 4

A functional analysis of industrial organization and management, and the implementation of these concepts toward the initiation of a new industry.

**Prerequisite(s):** Sophomore standing as a Technology major or Instructor approval required

### **TECH 4401 - Work Experience Laboratory**

Credit Hours: 8

Professional work experience, including employer evaluation.

**Prerequisite(s):** Instructor approval required

### **TECH 4431 - Methods and Materials for Teaching Technology Education**

Credit Hours: 3

This course is designed to prepare the pre-service technology education teacher to effectively teach the range of students in grades five through twelve in the public schools. Emphasis is placed on designing a unit of instruction in one of the four technology education system areas. The primary assignment is the preparation of a unit of study that will include the following topics: a rationale, course/unit planning, lesson planning, instructional objectives, instructional strategies and student evaluation/grading.

**Prerequisite(s):** TECH 3301 and TECH 3331

### **TECH 4450 - Automation and Robotics**

Credit Hours: 3

This course is designed to serve as a capstone study for qualified students earning the Automation and Robotics Minor. The course integrates the mechanical, electronic, and computer science fields into a study in automation and robotics applications. Automation, motion control, tele-robotic, and robotic solutions are applied to industrial systems.

**Prerequisite(s):** ELEC 4420 and MECH 3320 and COMP 1130

### **TECH 4499 - Special Topics**

Credit Hours: 1-3

A study of special topics of educational, technical, or industrial concern.

**Prerequisite(s):** Instructor approval required

### **TECH 4998 - Undergraduate Research**

Credit Hours: 0-6

Undergraduate research is an experiential learning activity that provides an opportunity for a student to engage in the scholarly activities of their major discipline under the guidance of a faculty mentor who will work in close partnership with each student in his or her formulation of a project, the development of a research strategy, and the assessment of a student's progress. The primary goal is for each student scholar to conduct an inquiry or investigation that makes an original, intellectual or creative contribution to their discipline and which is shared in an appropriate venue. Repeatable

Restrictions: Sophomore-Senior Level

**Prerequisite(s):** Instructor approval required

## **Theatre**

### **THEA 1120 - Theatre Appreciation**

Credit Hours: 3

A general theatre course that serves as an introduction to traditional and more recent developments in Western and non-Western theatrical practice. Students are encouraged to develop their own perspectives and critical skills by means of studying selected writings of theatre practitioners and critics, and by seeing and evaluating campus theatre productions. Satisfies General Studies Outcome 12. Course is transferable as general studies

credit to all other state institutions of higher education in West Virginia for credit with the grade earned.

Transferable General Studies Course  
THEA 1120~

### **THEA 1140 - Theatrical Production**

Credit Hours: 2

This course introduces the student to the principles and techniques of the organization, planning, and execution of technical theatre production, including scenery, properties, lighting, costuming, sound and stage management.

### **THEA 1148 - Theatre Workshop I**

Credit Hours: 1

Students in this course are assigned to Masquers productions. Opportunities are provided for experience in all areas of technical theatre, such as scenic construction, properties, lighting, costume and sound crews, depending upon the proficiency of the student. Maximum credit allowed is 2 hours per semester, up to 4 hours total Restrictions: Open to freshmen and sophomores. (Juniors and seniors, see THEA 3348)

### **THEA 2238 - Acting Workshop I**

Credit Hours: 1

Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowed is 2 hours per semester, up to 4 hours total Restrictions: Open to freshmen and sophomores. (Juniors and seniors see THEA 4432)

### **THEA 2240 - Acting**

Credit Hours: 2

This course is an introduction to the theory and practice of fundamental acting techniques for the stage. Enrolled students are expected to participate in University Masquers productions. When Offered: Fall Only

### **THEA 2244 - Introduction to Theatrical Design**

Credit Hours: 3

An introduction to the principles of theatrical design, including scenic, lighting and costume design. When Offered:

Spring semester only

**Prerequisite(s):** THEA 1140 and THEA 1151

### **THEA 2262 - Production Practicum I**

Credit Hours: 1

Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions. Maximum credit allowed is 2 hours per semester, up to 4 hours total Restrictions: Open to freshmen and sophomores. (Juniors and Seniors, see THEA 4462)

**Prerequisite(s):** THEA 1148

### **THEA 3336 - Directing**

Credit Hours: 3

Principles and techniques of play directing with specific emphasis on play selection and analysis, casting, and staging. When Offered: Spring semester only

**Prerequisite(s):** THEA 1140, THEA 1151, and THEA 2230

### **THEA 4432 - Acting Workshop II**

Credit Hours: 1

Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowed is 2 hours per semester, up to 4 hours total Restrictions: Open to juniors and seniors. (Freshmen and sophomores, see THEA 2238).

### **THEA 4462 - Production Practicum II**

Credit Hours: 1

Credit is earned for practical experience in varied aspects of technical theatre production, including scenery, lighting, costuming, properties and sound, through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total Restrictions: Open to juniors and seniors. (Freshmen and sophomores, see THEA 2262)

**Prerequisite(s):** THEA 1148