



Fairmont State University



Undergraduate Catalog 2014-2015

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Fairmont, West Virginia

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2014-2015 Academic Calendar

Monday – Friday, August 11-15	Professional Development Week
Friday, August 15.....	Residence Halls Open for New Students
Friday, August 15.....	New Student Convocation
Friday – Sunday, August 15-17	Welcome Weekend
Monday, August 18	Classes Begin (Full Term & 1 st 8-Week)
Monday, September 1	Labor Day, No Classes
Friday, September 5	Applications for May 2015 Graduation Due
Friday, October 10	Mid Semester
Monday, October 13	2 nd 8-week Classes Begin
Monday, Oct 20 – Thursday, Nov 13	Scheduling for Spring Semester
Monday-Friday, November 24-28	Thanksgiving Recess, No Classes
Monday, December 1	Classes Resume, 8 A.M.
Friday, December 5	Last Day of Classes
Monday-Friday, December 8-12	Final Exams
Friday, December 12	Residence Halls Close

2015 Spring Semester

Monday – Friday, January 12-16	Professional Development Week
Friday, January 16.....	Residence Halls Open for New Students
Friday, January 16.....	Orientation
Monday, January 19	Martin Luther King Day, No Classes
Tuesday, January 20.....	Classes Begin (Full Term & 1 st 8-Week)
Friday, February 13.....	Applications for December 2015 Graduation Due
Friday, March 13.....	Mid Semester
Monday – Friday, March 16-20	Spring Break, No Classes
Monday, March 23	Classes Resume, 8 A.M.
Monday March 23	2 nd 8-Week Classes Begin
Monday, March 30 – Thursday, April 23	Scheduling for Fall Semester
Friday, April 3	Good Friday, No Classes
Friday, May 8	Last Day of Classes
Monday – Friday, May 11-15	Final Exams
Friday, May 15	Residence Halls Close
Saturday, May 16.....	Commencement

2015 First Summer Term

Monday, May 25.....	Memorial Day, No Classes
Tuesday, May 26	Classes Begin
Friday, May 29	Applications for August 2015 Graduation Due
Thursday, June 25.....	First Summer Term Ends

2015 Second Summer Term

Monday, June 29	Classes Begin
Friday, July 3.....	Independence Day, No Classes
Thursday, July 30	Second Summer Term Ends



Introduction

Fairmont State University, a comprehensive, multi-site, selective institution, offers a quality education in a diverse and supportive learning environment that fosters individual growth, professional and career development, lifelong learning, global understanding, and a commitment to excellence in academic and community pursuits. Serving the citizens of north-central West Virginia and beyond, Fairmont State University is a student-centered institution of first choice among students who desire a flexible and relevant learning experience. The University provides a well-rounded education, enabling students to gain the knowledge and skills needed for self-fulfilling, responsible citizenship and employability in a rapidly changing global environment.

The University concentrates its energies and resources on its students, many of whom are the first generation of their families to attend college, adults returning to college or enrolling in higher education for the first time, and transfer students from community and technical colleges. The University, therefore, offers its diverse student body a wide range of programs, flexible scheduling, and support services, all designed to foster success in the modern world. To strengthen intellectual development, all students pursuing a degree at Fairmont State University are engaged in a General Studies program, a body of coursework designed to expand their knowledge of civilization, society, scientific inquiry, and artistic expression while preparing them to think critically and communicate clearly. Through these studies, students also explore the interrelationships among disciplines and prepare for a lifetime of learning.

The University is committed to student learning and focuses its resources on programs that prepare students for careers and advanced education in West Virginia and beyond. Along with its significant history of teacher education, Fairmont State University provides a broad spectrum of degree options in business, fine and liberal arts, and social and natural sciences and offers programs with specialized accreditation in engineering technology and health careers. Fairmont State University provides seamless transitions from public schools or certificate programs or

associate degrees to baccalaureate degrees. In keeping with its tradition of academic excellence, the University promotes graduate education by offering select graduate programs.

Fairmont State University is closely identified with its community. Partnerships with business and industry, public schools, government agencies and other organizations contribute to the economic, cultural, and social development of the region. Through these community relationships and educational programs, the University fosters enlightened and productive citizenship in its immediate locale, the region, and the world.

MISSION STATEMENT

The Mission of Fairmont State University is to provide opportunities for individuals to achieve their professional and personal goals and discover roles for responsible citizenship that promote the common good.

VISION STATEMENT

Fairmont State University aspires to be nationally recognized as a model for accessible learner-centered institutions that promote student success by providing comprehensive education and excellent teaching, flexible learning environments, and superior services. Graduates will have the knowledge, skills, and habits of mind necessary for intellectual growth, full and participatory citizenship, employability, and entrepreneurship in a changing environment.

PHILOSOPHY AND OBJECTIVES

Fairmont State University 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 serves 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 University 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 University 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 industrial 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 successful career and employment choices;
- Offering a variety of cultural, recreational, and social activities to complement academic pursuits.

DESIRED PROFILE OF A FAIRMONT STATE UNIVERSITY UNDERGRADUATE

Students enrolled at Fairmont State University should work to develop the following profile, consistent with the length and focus of their programs.

Students should:

- 1) Develop 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) Acquire 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.

Our Core Values: SOAR

- 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 our selves, the learning community, our society, and the future.

ACCREDITATION

Of great importance to the reputation of a university is how it ranks scholastically with other institutions. Successful accreditation status means that a university has been carefully evaluated and approved in its governance, in each curriculum and program of study, in the quality of its faculty, in the adequacy of facilities, library, equipment, and laboratories.

To assure its stature and academic excellence, a university obtains accreditation from both regional and national agencies and joins accrediting organizations relevant to its academic and professional programs.

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

The Teacher Education program is approved by the West Virginia Board of Education and accredited by the National Council for the Accreditation of Teacher Education/ Council for the Accreditation of Educator Preparation, 2100 Massachusetts Ave., Suite 500, Washington, DC 20036, (202) 223-0077. In addition, selected teaching specializations are nationally approved by their respective learned society and/ or professional organization.

Selected programs in the Department of Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, Maryland 21202-4012, (410) 347-7700. The following programs are currently accredited by TAC of ABET: A.S. and B.S. Civil, A.S. and B.S. Electronics, and A.S. and B.S. Mechanical Engineering Technology. In addition, the B.S. Occupational Safety program is accredited by ASAC of ABET.

The A.S. Nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses, 101 Dee Drive, Suite 102, Charleston, WV 25311-1620, (304) 558-3596, <http://www.rnboard@wv.gov> and the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia, 30326, (404)975-5000, <http://acenursing.org>; the B.S. Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW Suite 530, Washington, DC, 20036, (202) 8878476, <http://www.aacn.nche.edu>.

The School of Business 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.

The University is also a member of the American Association of Colleges for Teacher Education, National League for Nursing, American Library Association, Public Relations Society of America (PRSA) West Virginia Chapter, and Council for the Advancement and Support of Education (CASE).

MAIN CAMPUS

Fairmont State University is located on a 120-acre main campus in Fairmont, West Virginia. With a population of about 19,000, Fairmont, located approximately 90 miles south of Pittsburgh, Pennsylvania, is the seat of government for Marion County. The University provides students with the opportunity to find their future from associate degrees,

bachelor's degrees and graduate programs. Visit us online at www.fairmontstate.edu.

In its overarching desire to help transform lives, FSU values scholarship, opportunity, achievement, and responsibility. The mission of FSU is to provide opportunities for individuals to achieve their professional and personal goals and discover roles for responsible citizenship that promote the common good.

FSU is part of the state's growing high technology corridor with a metro area of approximately 50,000 residents. With an enrollment of 4,600, FSU offers more than 80 baccalaureate degrees and graduate programs in business, criminal justice, education, and architecture. A growing number of undergraduate courses and graduate programs are offered online, increasing FSU's accessibility. To support the transition from undergraduate to graduate studies, FSU offers concurrent enrollment opportunities for qualifying students. The main campus is home to the Frank and Jane Gabor West Virginia Folklife Center. FSU also offers classes at a satellite campus in Clarksburg called the Gaston Caperton Center and at the Robert C. Byrd National Aerospace Education Center in Bridgeport.

GASTON CAPERTON CENTER

The Gaston Caperton Center is a satellite campus located at 501 W. Main Street in downtown Clarksburg. Clarksburg, the seat of Harrison County, is approximately 23 miles from Fairmont. The Gaston Caperton Center serves as a site for delivery of a wide variety of courses for students enrolled in Fairmont State University. The Center is open from 8:00 a.m. until 10:00 p.m. Monday through Thursday, and 8:00 a.m. until 4:00 p.m. on Friday. The Center is closed on Saturday. Students can complete the General Studies requirements for Bachelor of Arts and Bachelor of Science degree and all course requirements for the B.S. in Business Administration with an emphasis in General Business. The business common core for all baccalaureate business degrees may also be completed.

The Center comprises a 36,000 square foot, state-of-the-art building boasting the latest in computer connectivity, modern classrooms, computer and natural-science labs, conference facilities, and the Teaching-Learning Commons (formerly the library). The facility has 15 classrooms including three computer classrooms; one life-sciences lab for general biology, anatomy and physiology, etc.; and one physics lab for general physics, electronics and/or other technical courses. In addition to one hundred computers which faculty use for direct instruction or instructional-support activities, the building has wireless access as well as a number of courtesy ports which allow students with laptop computers to connect directly into the college's network.

The facility has two multi-purpose meeting rooms that serve as large lecture halls which will seat 54 or 75 people respectively; when combined, the rooms accommodate 200 in auditorium seating or 125 at tables in a single room. Four small conference rooms are also available.

The Teaching-Learning Commons (TLC) houses thirty-four computers in two labs. Students may access the Internet and electronic databases and resources, study, complete homework assignments, and perform email functions in the TLC. The TLC is open and staffed for the same operating hours as the facility. A TLC staff member

is available to assist students and faculty with technology, research, and library needs.

In addition to various small seating areas in the building, there are two student-lounge areas, one faculty lounge, a portico seating area and an adjacent walled courtyard with bench and wall seating.

The Center is fully accessible to students with disabilities; an elevator serves all three floors, and there are accessible restroom facilities on each floor. The Center has over 200 parking spaces in five separate lots with handicapped parking near the rear entrance.

Students at the Gaston Caperton Center may avail themselves of support services offered in conjunction with the main campus including counseling, financial aid, disability services, food services, and advising.

ALUMNI ASSOCIATION

The Fairmont State Alumni Association, founded in 1873, is the official organization representing graduates of Fairmont State (including Fairmont State Normal School, Fairmont State Teachers College, Fairmont State College, Fairmont State University). The Association is led by an elected, unpaid, volunteer Board consisting of graduates of Fairmont State.

The purpose of the Fairmont State Alumni Association is to unite its members in an effective organization dedicated to the advancement of Fairmont State:

- a. strengthening the relationship between the alumni and Fairmont State through effective communication and collaboration about current programs, activities and needs;
- b. perpetuating and strengthening the bonds of loyalty and friendship among alumni;
- c. supporting Fairmont State-sponsored activities, on and off-campus, that enrich the life of the institutions, their students and community as well as provide incentive for participation;
- d. representing the interests of alumni to the institutions, by providing information and making recommendations for action;
- e. assisting the institutions, their student body and alumni members with vocational guidance and job placement;
- f. taking such other action as may be deemed appropriate for the advancement of the Institutions and the Association.

Contact the Fairmont State Alumni Association through the Director of Alumni Relations and Annual Giving at:

Director of Alumni Relations and Annual Giving
Erickson Alumni Center
1201 Locust Avenue
Fairmont, WV 26554

Direct Dial: (304) 367-4015
Fax: (304) 367-4742
Toll Free (866) 372-ALUM
Web: www.fairmontstate.edu/alumni

Visit the Erickson Alumni Center at 1300 Locust Avenue, Fairmont, West Virginia.

CATALOG POLICY

It is the responsibility of students to be knowledgeable of official FSU policies and to meet all requirements in the Catalog. It provides the best possible current information on practices and intentions of the institution. FSU reserves the right to change provisions or requirements at any time to reflect curricular changes and 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. The academic advisors and appropriate administrative offices of FSU may be consulted for further information.

A student who enrolls at FSU 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.

Students who have interrupted their schooling for one semester (not including the 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 above.

Please note that academic policies can change each year and apply to all students regardless of when you begin your studies. Refer to the current catalog each year for academic policies.

EMAIL ACCOUNT POLICY

The FSU 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 formally notify students of our institution's policies regarding the use of FSU email for all major institutional correspondence. No other email addresses will be included when emails are sent. The parent email address will be collected at Orientation for new students and the first invoice will be sent to those addresses in addition to the student.

POLICY ON EQUAL OPPORTUNITY AFFIRMATIVE ACTION

Fairmont State University 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, as amended; 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 University 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.

Further inquiries may be directed to the Director of Affirmative Action, who is the Section 504, Title IX Coordinator, located in Room 324 Hardway Hall, (304) 333-3661, or the Americans with Disabilities Act Coordinator, located in the Turley Student Services Center, (304) 367-4686.

SERVICES FOR STUDENTS WITH DISABILITIES

Under the Americans with Disabilities Act 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 Office of Disability Services collaborates with students, instructors, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable. Students are required to contact the Office of Disability Services to initiate the provision of accommodations. The Office of Disability Services 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/acces.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 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 FSU 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 schools, departments, academic advisors, and athletic departments.

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.

FSU 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.

DRUG-FREE AWARENESS PROGRAM

In compliance with the Drug-Free Workplace Act of 1988 and the Drug-Free Schools and Communities Act Amendments of 1989, Fairmont State University has a Drug-Free Awareness Program designed to prevent the unlawful possession, use, or distribution of illicit drugs and alcohol by students and employees. Further inquiries rising from employment issues or concerns may be directed to the Assistant Vice President of Human Resources; student issues or concerns may be directed to the Vice President for Student Services.

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 <http://www.sss.gov>.



Admissions

GENERAL ADMISSION PROCEDURE

Students seeking admission to Fairmont State University 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 University 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.

REQUIRED FORMS AND CREDENTIALS

All students applying for admission to Fairmont State University 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 State of West Virginia High School Equivalency Diploma (GED or TASC), or out-of-state GED certificate(not required for transfer students having a 2.0 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 GED/TASC, however the GED/TASC may be required for financial aid and scholarships)
- 5) Official college transcripts
- 6) Immunization Records including measles, mumps, & rubella (MMR)(if born after January 1, 1957)

THE AMERICAN COLLEGE TEST/ SCHOLASTIC APTITUDE TEST

Fairmont State University requires the American College Test (ACT) or Scholastic Aptitude Test (SAT) of all applicants unless you have graduated high school or completed GED/TASC requirements more than five years prior to seeking admission. ACT or SAT scores are 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. Students seeking admission to the University, but who have missed the national testing date(s) may take the residual ACT. Contact Enrollment Services for additional information.

IMMUNIZATION REQUIREMENT

All freshman and transfer students who were born after January 1, 1957, are required to provide proof of immunity to measles, mumps and rubella. Students are requested to provide proof of immunity on or before the date of enrollment. Meningococcal vaccine is strongly recommended. Other immunizations recommended include: Polio Series, Tetanus-Diphtheria-Pertussis (Td and aP, or Tdap within the past 5 years), Hepatitis A Vaccine, Hepatitis B Series, Varicella Vaccine (or history of chicken pox), and an annual Influenza Vaccines. Please contact Student Health Services for information on any of the listed vaccinations and how they may be obtained by calling (304)367-4155.

BACHELOR'S DEGREE PROGRAMS ADMISSION REQUIREMENTS

Admission to four-year bachelor's degree programs is open to graduates of approved high schools who have a 2.0 high school GPA (or GED/TASC) and a minimum composite score of 18 on the ACT or 870 on the SAT (combination of critical reading and math scores). 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 prior to admission or within the first four semesters of enrollment.

REQUIRED UNITS (Years)

- 4 English (including courses in grammar, composition, and literature)
- 3 Social Studies (including U.S. History)
- 4 Mathematics (three units must be Algebra I and higher or Math 1 or higher; Traditional Math for seniors will also be accepted)
- 3 Science (all courses to be college preparatory laboratory science, preferably including units from biology, chemistry and physics)
- 1 Arts
- 2 Foreign Language (two units of the same foreign language)

Fairmont State University may conditionally admit students who do not meet the basic admissions standards.

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 to the Fairmont State University Office of Admissions, 1201 Locust Avenue, Fairmont, WV 26554. 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 FSU transcript, no individual courses will be translated.

ADMISSION TO TEACHER EDUCATION

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

ADMISSION TO ASSOCIATE DEGREE IN NURSING

The ASN program is a selective admission program. Applications are accepted on a rolling basis. As one class is filled, students are accepted into the next admission class. Students must first apply and be accepted into FSU. Accompanying the application must be a high school transcript or GED/TASC scores, minimal TEAS scores and, as applicable, an LPN transcript and LPN license verification, and college transcripts. In addition, Students must have a minimum 2.0 cumulative GPA and be eligible to enter college level English and math courses.

ADMISSION TO COLLEGE LEVEL ENGLISH AND MATH COURSES

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

ENGLISH

Students may not enroll in English 1104 unless the minimum score prescribed below is earned on at least one of the following tests:

- a) A score of 18 or above on the English section of the ACT.
- b) A score of 450 or above on the critical reading portion of the SAT-1.
- c) A score of 71 or above on the writing skills test of the COMPASS.

Students not meeting any one of the above standards must successfully complete ENGL 0097 before enrolling in ENGL 1104.

MATHEMATICS

Students may not enroll in a mathematics course unless the minimum score prescribed below is earned on at least one of the following tests:

- a) A score of 19 or above on the mathematics section of the ACT.
- b) A score of 460 or above on the quantitative portion of the SAT.
- c) A scaled score of 59 on the pre-algebra test and a scaled score of 36 on the algebra test of the COMPASS.

Students not meeting any one of the above standards must successfully complete MATH 0089 before enrolling

in an introductory college credit math course. Math 0089 is a six-credit program, and students' COMPASS scores determine how many credits they are permitted to enroll in initially. Upon successful completion of credits for which students initially registered, students may, with instructor permission, register for additional credits in that same semester.

FSU offers the COMPASS test during semester registration periods on main campus and at several satellite locations. COMPASS testing is free of charge. Students may take a COMPASS test up to two times for placement per semester. A COMPASS score is valid for up to two years after test date.

All developmental skills courses (those for math and English courses with course numbers below 1000) must be completed within a student's first 32 credit hours.

The college offers the COMPASS tests, designed by ACT, free of charge to students who enter with low ACT/SAT scores. These tests are taken on the computer and are multiple-choice and untimed. For more information on COMPASS tests, contact FSU Advising Center.

ADVANCED STANDING

Based on the high school record and performance on the ACT or SAT, the Registrar 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 1104 and may enroll in ENGL 1108 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 Enhanced ACT or 570 on the English part of the recentered SAT.

Foreign Language: Students who present one or more units of high school French or Spanish may enroll in FREN 1102 or SPAN 1102. Students who present two or more units of high school French or Spanish may enroll in FREN 2201 or SPAN 2201.

French or Spanish minor: Students electing a minor in French or Spanish may satisfy the elementary level requirement, FREN 1101 and 1102, or SPAN 1101 and 1102, by presenting two or more units of high school French or Spanish. These hours will not be recorded as college credit but will fulfill the requirement for the first six hours of the minor.

ADVANCED PLACEMENT EXAMINATION (AP)

Fairmont State University recognizes certain examinations of the College Board Advanced Placement Program. Students who participate in the AP program and wish to have their scores evaluated for credit should have their scores sent to Fairmont State University. The AP examinations are prepared by the College Board, and the papers are graded by readers of the Educational Testing Service, Princeton, NJ 08540. Students cannot receive credit for a score below 3 on any exam. Students who do receive credit will be assigned the grade of CR, which is not calculated into the GPA.

Examination	Minimum Score	Credit Hours	Course Equivalent
Art (Studio)			
Studio Art - Drawing	3	3	Elective
Studio Art - 2 Design	3	3	Elective
Studio Art - 3 Design	3	3	Elective
Art History	3	3	Elective
Biology	3	8	BIOL Electives
Chemistry	3	8	CHEM 1101-1102
Classics			
Latin: Virgil	3	3	Not Offered at FSU
Computer Science			
Computer Science A	3	3	Elective
Economics			
Macroeconomics	3	3	BSBA 2211
Microeconomics	3	3	BSBA 2212
English			
English Lang. & Composition	3	3	ENGL 1104
English Composition & Lit	3	3	ENGL 2230
Environmental Science	3	4	Elective
Foreign Language			
Chinese Lang. & Culture	3	6	Not Offered at FSU
French Language	3	6	FREN 1101, 1102
German Language	3	6	Elective
Japanese Lang. & Culture	3	6	Not Offered at FSU
Spanish Language	3	6	SPAN 1101, 1102
Spanish Literature	3	6	SPAN Elective
Geography			
Human Geography	3	3	GEOG 2210
Government and Politics			
United States	3	3	POLI 1103
Comparative	3	3	POLI 2200
History			
United States	3	6	HIST 1107, 1108
European	3	6	HIST Elective
World	3	6	HIST 2211, 2212
Mathematics			
Calculus AB	3	4	MATH 1190
Calculus BC	3	4	MATH 1190
Calculus BC	4	4	MATH 1190 & MATH 3315
Statistics	3	3	PSYC 2240 or BSBA 3310 or SOCI 2240 or POLI 2240 or MATH 1113 or PSYC 2240
Music			
Theory	3	3	MUSI 1108(2 hr)
Physics			
Physics B	3	4	PHYS 1101
Physics B	4	8	PHYS 1101-1102
Physics C Mechanics	3	5	PHYS 1105
Physics C Electricity & Magnetism	3	5	PHYS 1106
Psychology			
Psychology	3	3	PSYC 1101

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

The College Level Examination Program (CLEP) provides students with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses. Students can reduce their costs in time and money by successfully completing CLEP tests for credit. The CLEP exams are prepared by the College Board and administered by Pierpont Community & Technical College. Students must achieve a minimum score of 50 to receive college credit. For additional information,

contact the Center for Workforce Education at (304) 368-7254 or (304) 367-4920.

CLEP Examinations Accepted By FSU

CLEP Examination	FSU Course	Credit
Business		
Prin. of Macroeconomics	BSBA 2211.....	3
Prin. of Microeconomics.....	BSBA 2212.....	3
Prin. of Marketing	BSBA 2204.....	3
Prin. of Accounting	BSBA 2201/2202	6
Introductory Business Law	BSBA 3306.....	3
Prin. of Management	BSBA 2209.....	3
Chemistry		
Chemistry.....	CHEM 1101/1102.....	8
Composition/Humanities		
College Composition	ENGL 1104	3
Humanities	ART 1120	3
Sociology		
Introduction to Sociology	SOCY 1110	3
History		
History of U.S. II.....	HIST 1108	3
Western Civilization I.....	HIST 2211	3
Western Civilization II	HIST 2212	3
Language		
French	FREN 1101/1102.....	6
Spanish	SPAN 1101/1102.....	6
Math		
College Algebra.....	MATH 1112	3
College Algebra - Trig.	MATH 1112/1115.....	3
College Math.....	MATH 1107	3
Political Science		
American Government.....	POLI 1103.....	3
Psychology		
Introduction to Psychology	PSYC 1101	3

NON DEGREE SEEKING ADMISSION REQUIREMENTS

NON DEGREE-SEEKING (Nonmatriculant)

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

- 1) Application for admission
- 2) Official high school transcript/GED/TASC scores or college transcript

(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 University for further study and meet all the requirements for admission for a specific degree or certificate objective.

HIGH SCHOOL STUDENTS

Outstanding high school students may be admitted as non-degree seeking students, either in the summer following completion of the junior year in high school or

during the senior year in high school. No more than 15 hours may be earned before admission as a regular student. In addition a student must meet the following criteria:

- 1) Application for admission
- 2) Letter of certification from principal granting permission for student to take classes
- 3) Official high school transcript with 3.0 GPA
- 4) Permission letter from parent

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 STUDENTS

Admission file must be complete six weeks prior to the start of the semester. 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) Official English proficiency scores (TOEFL of 61 or IELTS of 6.0) if your native language is not English
- 3) Proof of financial support
- 4) Housing (if applicable)
- 5) 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 WES evaluation agency.
- 6) Official certified course-by-course English translation of foreign high school transcripts and college transcripts if applicable (must be provided by WES evaluation agency)
- 7) Transfer eligibility form
- 8) Proof of immunization (measles, mumps, rubella)
- 9) Proof of health insurance

TRANSFER STUDENTS

Any applicant for admission to Fairmont State University 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 FSU. Transfer students must meet the previously stated admission requirements of Fairmont State University. They must provide evidence of good standing at the institution last attended and must have maintained a minimum 2.0 GPA.

Credits and grades earned at any public institution governed by the Higher Education Policy Commission shall

be transferable to Fairmont State University. Only credit hours, not grades, transfer from all other accredited schools for eligible courses.

This included private schools located in WV and all out-of-state schools.

Students transferring fewer than 24 semester hours must provide an official copy of the high school transcript or GED/TASC scores and ACT or SAT scores if the student has graduated from high school less than 5 years prior to the enrollment term, along with an official copy of the college transcript.

TRANSFERRING CORE COURSEWORK

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 General Studies Requirements that may be fulfilled by comparable coursework at another institution. All other General Studies Requirements must be completed at FSU.

English Composition - 6 hours

ENGL	1104	WRITTEN ENGLISH I.....	3
ENGL	1108	WRITTEN ENGLISH II.....	3

Communication and Literature - 6 hours

COMM	2200	INTRO. TO HUMAN COMMUNICATION.....	3
ENGL	2220	LITERATURE OF THE WESTERN WORLD I.....	3
ENGL	2221	LITERATURE OF THE WESTERN WORLD II.....	3
ENGL	2230	INTRODUCTION TO LITERATURE I.....	3
ENGL	2231	INTRODUCTION TO LITERATURE II.....	3
ENGL	3391	THE SHORT STORY.....	3

Mathematics - 3-4 hours

MATH	1107	FUNDAMENTAL CONCEPTS OF MATHEMATICS.....	3
MATH	1112	COLLEGE ALGEBRA.....	3
MATH	1115	TRIGONOMETRY AND ELEMENTARY FUNCTIONS.....	4
MATH	1190	CALCULUS I.....	4

Natural Science - 8-10 hours

BIOL	1105	BIOLOGICAL PRINCIPLES I.....	4
BIOL	1106	BIOLOGICAL PRINCIPLES II.....	4
CHEM	1101	GENERAL CHEMISTRY.....	4
CHEM	1102	GENERAL CHEMISTRY.....	4
CHEM	1105	CHEMICAL PRINCIPLES I.....	5
CHEM	1106	CHEMICAL PRINCIPLES II.....	5
PHYS	1101	INTRODUCTION TO PHYSICS I.....	4
PHYS	1102	INTRODUCTION TO PHYSICS II.....	4
PHYS	1105	PRINCIPLES OF PHYSICS I.....	4
PHYS	1106	PRINCIPLES OF PHYSICS II.....	4
GEOL	1101	GENERAL GEOLOGY.....	4
GEOL	1102	GENERAL GEOLOGY.....	4

Social Science - 9 hours

BSBA	2200	ECONOMICS.....	3
BSBA	2211	ECONOMIC PRINCIPLES.....	3
HIST	1107	U.S. HISTORY I.....	3
HIST	1108	U.S. HISTORY II.....	3
HIST	2211	HISTORY OF CIVILIZATION I.....	3
HIST	2212	HISTORY OF CIVILIZATION II.....	3
HIST	2213	HISTORY OF CIVILIZATION III.....	3
POLI	1103	AMERICAN GOVERNMENT.....	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE.....	3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY.....	3
SOCY	1110	INTRODUCTION TO SOCIOLOGY.....	3
SOCY	1111	INTRODUCTION TO ANTHROPOLOGY.....	3

RETURNING STUDENTS

Students who have interrupted their schooling for one semester (not including the 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 above.

CONSORTIUM AGREEMENT

The Presidents of Fairmont State University, Pierpont Community & Technical College, Glenville State College, and West Virginia Northern Community College have entered into a collaborative consortium agreement for our students. This agreement acts as a more direct process for transient students at the four institutions, allowing for enrollment to occur at two institutions at the same time. New students need to contact the Office of Admissions for information; current FSU students should contact the Enrollment Services Center.

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 semester hours.

SPECIAL EXAMINATIONS 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 University. Applicants must first schedule an interview with the College or School 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 \$22.00 per semester credit hour for each special examination. A receipt for the payment of the fee must be obtained from the Enrollment Services Center. No money will be refunded if any examination is failed. No examination may be repeated.

ORIENTATION

Orientation programs occur in the months prior to each academic semester. Each newly admitted student will automatically receive an invitation by mail, which will offer instruction on how to RSVP for the appropriate program. Students attending Orientation can expect to meet with an advisor and schedule classes. There will be the opportunity to address any remaining issues with areas such as Financial Aid and housing. Students will obtain their photo ID cards.

For more information, please visit the Orientation website by selecting "Orientation" from the Admissions menu on the homepage or, reach out via email to: Orientation@fairmontstate.edu.

GRADUATE STUDIES

Graduate studies at Fairmont State University are designed to give students advanced knowledge in a special field of study, higher levels of professional competence, an understanding of and respect for scholarly research and a sophisticated knowledge of the techniques of continued, lifelong intellectual growth. These goals are achieved through coherent, orderly programs of study, investigation and professionally mentored practical experiences that are carefully planned by each individual student in consultation with his or her graduate faculty adviser.

Fairmont State University currently offers the following graduate degrees:

- Master of Education (M.Ed.), with concentrations in Digital Media, New Literacies and Learning; Exercise Science, Fitness and Wellness; Online Learning; Professional Studies; Reading; Special Education;
- Master of Arts in Teaching (M.A.T.);
- Master of Business Administration (M.B.A.);
- Master of Science in Criminal Justice (M.S.);
- Master of Architecture (M.Arch.)

Choosing to pursue a Master's degree program at Fairmont State University represents a commitment to excellence, personal growth, and lifelong learning. Our graduate programs are committed to a student-centered learning environment that emphasizes concrete experiences, intellectual discourse, and critical reflection. FSU is small enough to allow each graduate student opportunities for interaction with fellow students and distinguished faculty members, yet large enough to provide challenging and diverse areas of study. To better serve graduate students, the university schedules classes at times designed to meet the scheduling needs of part-time as well as full-time students.

If you are interested in learning more about our program or obtaining a specific graduate degree, please consult our web site at <http://www.fairmontstate.edu/graduatestudies/default.asp> or contact the Office of Graduate Studies at (304) 367-4098 or by email at gradstudies@fairmontstate.edu

GRADUATE TEST SCORES

GMAT, GRE, or another approved graduate aptitude test, is required for students to apply to most graduate programs at Fairmont State University. The test results must be submitted as part of a completed graduate studies application. For more information regarding GMAT testing, please visit <http://www.mba.com/us>. For more information regarding GRE testing, please visit <http://www.ets.org/gre/>.

Expenses and Financial Aid

PAYMENT OF TUITION AND FEES

Registration is not completed until full payment of tuition, residence hall rent, board and fees has cleared. A late payment charge of \$50 will be assessed on the first day of the term; a \$15 charge will be assessed on each check returned for 'insufficient funds' unless the student can obtain an admission of error on the part of the bank. The Office of 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 Office of Enrollment Services for any student who had a delinquent financial obligation to either institution.

Students attending FSU 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 four monthly payments. The first payment is due on the 15th of the month prior to the start of the semester. There is 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 will 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. 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, select Enrollment Center, next select Tuition and Costs to locate this information. 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 (2014-2015)

FSU TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident	Virtual WV Resident	Virtual Non-Resident
12 hours.....	3153	6653	2671	6171	2691	3900
11 hours.....	2802	6006	2472	5676	2475	3575
10 hours.....	2550	5460	2250	5160	2250	3250
9 hours.....	2295	4914	2025	4644	2025	2925
8 hours.....	2040	4368	1800	4128	1800	2600
7 hours.....	1785	3822	1575	3612	1575	2275
6 hours.....	1530	3276	1350	3096	1350	1950
5 hours.....	1275	2730	1125	2580	1125	1625
4 hours.....	1020	2184	900	2064	900	1300
3 hours.....	765	1638	675	1548	675	975
2 hours.....	510	1092	450	1032	450	650
1 hour.....	255	546	225	516	225	325

NOTE: Registration in one credit hour on-campus will result in students being billed using On Campus tuition rates.

GRADUATE COLLEGE TUITION & FEES PER SEMESTER

	On Campus WV Resident	On Campus Non-Resident	Off Campus WV Resident	Off Campus Non-Resident	Virtual WV Resident	Virtual Non-Resident
9 hours.....	3404	7291	2922	6809	2792	3699
8 hours.....	2936	6392	2616	6072	2488	3288
7 hours.....	2569	5593	2289	5313	2177	2877
6 hours.....	2202	4794	1962	4554	1866	2466
5 hours.....	1835	3995	1635	3795	1555	2055
4 hours.....	1468	3196	1308	3036	1244	1644
3 hours.....	1101	2397	981	2277	933	1233
2 hours.....	734	1598	654	1518	622	822
1 hour.....	367	799	327	759	311	411

NOTE: Registration in one credit hour on-campus will result in students being billed using On Campus tuition rates.

SPECIAL FEES (NON-REFUNDABLE) - APPLICABLE TO ALL STUDENTS

New Student Orientation Fee	\$120.00
Graduation Fee (including cap and gown)	\$50.00
Graduation Fee for Graduate Students	\$70.00
School of Nursing Program Fee (per credit hour).....	\$21.00
School of Business Program Fee (per credit hour).....	\$13.00
Master of Architecture Program fee (per credit hour)	\$44.00
* Special course fees may apply	

OTHER FEES

Late Application for Graduation	\$50.00
Late Application for Graduation for Graduate Students	\$50.00
Priority Transcript Fee.....	\$9.00
Special Examinations for course credit (per credit hour)	\$22.00
Late Payment Fee.....	\$50.00
Late Registration Fee.....	\$50.00
Aviation Technology Fee (per credit hour).....	\$35.00
Reinstatement Fee	\$25.00
Pre-collect Letter Fee	\$5.00

REFUND POLICY FOR TUITION AND FEES

A student who withdraws from the institution may arrange for a refund of fees, excluding special fees, in accordance with the following schedule. Refunds are determined from the first day of the school term. The student's official withdrawal date is certified by the Office of Enrollment Services.

Students who have paid in advance and withdraw prior to the first day of the semester will receive full refunds.

SEMESTER TERMS

Withdrawal during first and second weeks 90% refund
 During third and fourth weeks 75%
 During fifth, sixth, seventh, and eighth weeks 50%
 Beginning with ninth week No refund

SUMMER TERMS

The first three days of Classes 90% refund
 Fourth and fifth day of classes 75%
 Sixth through tenth day of classes 50%
 Beginning with eleventh day of classes No refund

ROOM AND BOARD RATES

Room and board must be paid before the first day of classes for all terms. Applicants for on campus housing must pay a damage deposit at the time the application is filed. The application fee is currently \$200.00 (this amount is subject to change at any time). The deposit will be refunded, less any damage repair costs or other outstanding student account balances, after the student moves out of campus housing. All unmarried freshman and sophomore students are required to live on campus, excluding the summer term unless the student qualifies for an exemption to this policy.

For applicants deciding not to enroll, written notice of withdrawal must be received by the Residence Life Office by May 31st for the fall semester, and by November 30th for the spring semester. Failure to notify the Residence Life Office in writing by the deadline will result in the forfeiture of the deposit. (Exception: Should the applicant be denied admission to either institution, a full refund will be made without regard to dates.) The housing contract is valid for the academic year. Students cannot cancel their housing application to avoid living on campus after the application is considered active. Students must submit a contract release request and be approved for a release in order to live off-campus after applying. Releases are not guaranteed. For students residing on campus, contract release requests must be submitted by the deadlines listed above in order to have damage deposit applied to student account (refunds are made only after outstanding account balances are satisfied). Please contact the Residence Life office if you have any questions concerning this information.

RESIDENCE HALL SEMESTER RATES

2014-2015:

Double Occupancy (Morrow, Pence, Prichard) \$2,013.00
 Bryant Single \$2,714.00
 Bryant Double \$2,291.00

MOVE-IN COSTS

Damage Deposit \$200.00
 Meal plan varies (see below)

APARTMENT SEMESTER RATES

2014-2015:

1 Bedroom (unfurnished) \$3,529.00
 2 Bedrooms (unfurnished) \$2,546.00
 2 Bedrooms (furnished) \$2,897.00
 3 Bedrooms (unfurnished) \$2,698.00

MOVE-IN COSTS

Damage Deposit \$200.00

FOOD SERVICE SEMESTER RATES

2014-2015

All residents of Morrow, Prichard, Pence, and Bryant Halls are required to purchase a meal plan for use in the cafeteria and snack bar located in the Falcon Center. Campus Dining Services offers several meal plans.

- A. Falcon 19 Plan
(19 meals, 7 days per week) \$1,887.00 per semester
- B. Falcon 15 7 Day Plan
(15 meals, 7 days per week) \$1,814.00 per semester
- C. Falcon 15 Plan
(15 meals, 5 days per week) \$1,723.00 per semester
- D. Falcon 12 Plan
(12 meals, 5 days per week) \$1,749.00 per semester

Commuter meal plans are available for purchase in the Enrollment Services Center.

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 and Scholarships Department in compliance with federal, state, and institutional guidelines.

NEED-BASED AID

FSU'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, FSU attempts to meet the financial need of all students.

SCHOLARSHIP AID

It is the intent of FSU 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. FSU 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 Offices of Admissions and Financial Aid and Scholarships 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 FSU. FSU's Office of Financial Aid and Scholarships also manages the disbursement of scholarships for a wide range of externally funded programs received by FSU students.

SOURCES OF FINANCIAL AID

The links for all sources and types of financial aid offered by FSU as well as other aid resources are available on the homepage at <http://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 the Fairmont State University 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 Admissions office, students must apply for admission to FSU by December 15. For scholarships awarded through Financial Aid and

Scholarships Office, students must apply for admission and submit a scholarship application prior to February 1.

4. Students interested in aid for summer must complete a separate application, available in March.

SATISFACTORY ACADEMIC PROGRESS FOR FEDERAL FINANCIAL AID

To receive funds administered by the Financial Aid and Scholarships 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.

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

The standards of Financial Aid Satisfactory Academic Progress are:

QUALITATIVE PROGRESS

Undergraduate

Required Cumulative Grade Point Average:

01-29 total credit hours.....	1.5
30-59 total credit hours.....	1.8
60-above total credit hours.....	2.0

Graduate

Must meet the following Cumulative GPA: 3.00

QUANTITATIVE PROGRESS – Pace of Progress and Maximum Time Frame

- a) **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. Transfer hours that count towards the degree program is also 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.

- b) **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 which count toward degree objectives 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.
- Graduate program of 36 hours--54 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.

FAILURE TO MEET STANDARDS OF FINANCIAL AID SATISFACTORY ACADEMIC PROGRESS

Students who fail to meet the qualitative or quantitative standards at the end of any enrollment period (including summer) will be placed on financial aid “warning” for the next enrollment period. During this warning semester, the student may continue to receive financial aid.

Failure to meet any of the defined standards at the end of a “warning” period will result in the loss of financial aid eligibility for future semesters.

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 and Scholarships 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 and Scholarship Office. The appeal must include the following:

- a. Reasons why student failed to make Satisfactory Academic Progress.
- b. What has 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).
- c. Student’s academic plan that will allow the student to reach the minimum requirements for SAP. The academic plan must include the next semester’s classes. Students are encouraged to meet with academic advisor to discuss academic plan.
- d. Documentation that verifies the extenuating circumstances.

If the appeal is granted, the student will be placed on financial aid probation for one semester and may receive aid during this probation semester. At the end of the probation semester student must

- a. meet the defined SAP standards or
- b. meet the academic plan that was developed for the appeal.

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 Appeal form. Appeals submitted after the published deadline dates will be considered late. Students who wish to enroll and submit the appeal after the deadline should make plans to pay all charges through personal means. If the appeal subsequently is reviewed and

approved, any financial aid for which the student is eligible will be processed and any excess funds will be returned to the student.

Appeals will be reviewed by the Financial Aid Counselors. If denied, the student may request the appeal be reviewed by the Director of Financial Aid and Scholarships.

If denied by the Director for fall or spring semesters, it will automatically be referred to the Faculty Senate Financial Aid Appeals Committee. This committee will meet one time during the week prior to the start of the fall/spring semester. Denial of appeals by the Director for the summer semester is final and will not be forwarded to the Faculty Senate Financial Aid Appeals Committee.

Students who have lost eligibility for financial aid but have not been academically suspended from FSU may continue to enroll in courses. Students are responsible for the tuition charges. Once the student meets the standards of financial aid satisfactory academic progress, the student may again receive consideration for financial aid.

ACADEMIC FORGIVENESS & FINANCIAL AID

Candidates for academic forgiveness may receive financial assistance during the readmission semester if under financial aid warning, financial aid probation or an academic plan. If student does not meet the financial aid standards of SAP at the end of the readmission semester, the student’s financial aid will suspend as dictated by the SAP policy. Candidates must have a signed, written request on file with the Registrar and with the Financial Aid and Scholarships Office in order for financial assistance to release during the readmission semester.

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, 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 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 and finals week).

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 14 – 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 withdrawal, 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	\$1750
Federal Pell Grant	\$2675
Federal SMART Grant	\$2000

- 1) Divide number of days attended by number of days in term

Calculation: **21 days / 108 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: **5425 x .81 =**
 Result: Amount of aid that is unearned **\$4394.25**

- 4) Multiply total allowable institutional charges by 81% to get amount of unearned aid to be returned by FSU

Calculation: **Total fees = 2900 x .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 FSU from total unearned aid

Calculation: **4394 - 2349 =**
 Result: Amount of unearned aid to be returned by student **\$2045**
 Student returns: **\$2045 Pell Grant**
(All that is left to repay is the amount the University had to repay. Student is not required to repay student portion of either grant program since the total in unearned grants is less than 50% of total federal grants.)

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 Perkins Loan
 4. Federal Direct PLUS (Graduate Loans)
 5. Federal Direct Plus (Parent Loan)
 6. Federal Pell
 7. 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 FSU 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.

CLASS ATTENDANCE

If a student receiving veterans’ benefits withdraws from the University or an individual class and the Veterans Coordinator 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 notify the Veterans Administration.

MIDTERM REVIEW

The Veterans Coordinator will review the midterm grade report for all students receiving veterans' benefits and the Veterans Administration will be notified of any irregularities or indication of lack of progress on the midterm grade report.

FINAL GRADE FOR ALL COURSES ATTEMPTED

The final grade policy for all attempted courses applies to all students at FSU, 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 FSU supplies the Veterans Coordinator 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 Coordinator 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 Coordinator of any changes in their enrollment status. If a change in enrollment status reduces 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.

PROCEDURE FOR MILITARY DEPLOYMENT

If you are called to active duty in the military while enrolled at FSU, 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 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 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 awards a final grade for a course. If you wish to pursue this option, you will need to contact Enrollment Services. Enrollment 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 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.

Resident Classifications

GENERAL

Students enrolling in a West Virginia public institution of higher education shall be classified as resident or nonresident for admission, tuition and fee purposes by the institutional officer designated by the President. The

decision shall be based upon information furnished by the student and all other relevant information. The designated officer is authorized to require such written documents, affidavits, verifications, or other evidence as are deemed necessary to establish the domicile of a student. The burden of establishing residency for tuition and fee purposes is upon the student.

If there is a question as to residence, the matter must be brought to the attention of the designated officer and acted upon at least two weeks prior to registration and 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.

RESIDENCE 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 unemancipated 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 "Special Students" 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.

CHANGE OF RESIDENCE

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.

Students may get the necessary paperwork for a change of residence from the Registrar's Office.

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.

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 in-state 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 PROCESS

The decisions of the designated institutional officer charged with the determination of residence classification 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.



Campus Life

Social and cultural opportunities are a significant part of a student's educational experience; therefore, Fairmont State University provides many services, activities, and organizations that students may select as they adjust to the college environment. The following section of the catalog describes these opportunities in detail.

Matters concerning student rights, responsibilities, and social conduct can be found in the published Student Handbook and online at <http://www.fairmontstate.edu/publications/campushandbooks/studenthandbook/default.asp>

WELCOME WEEKEND

Welcome Weekend occurs in August each year and is specifically designed to orient new students to the 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 academic, social, and support services necessary to their persistence and success. [Each student attending the program will be fully oriented to his/her Academic school or College, as well as the broader institution. During the event, new students will participate in the Convocation Ceremony and will attend an event at which local businesses and banks are featured.]

Welcome Weekend occurs the weekend before classes begin. The multi-faceted program includes residence hall move-in and many other components (both educational and social) that assist in each student's adjustment and transition.

Incoming students will receive an invitation by mail which will include RSVP instructions. For more information, please visit www.fairmontstate.edu/WelcomeWeekend or, contact the Office of Retention at: Retention@fairmontstate.edu

RESIDENCE HALLS AND APARTMENTS

FSU maintains four residence halls which accommodate approximately 900 students. Each residence hall provides a learning environment which is designed to enhance academic and social life. Contracts are for the entire academic year and prices vary by residence hall. For additional information, contact Residence Life at (304) 367-4216.

College Park Apartments accommodates approximately 200 students on the campus. The apartments operate on an 11.5 month schedule and tenants are required to abide by all rules and regulations. Prices vary based on apartment type. For more information, contact Residence Life at (304) 367-4216.

1. All freshman and sophomore students are required to live in campus housing unless approved for an exemption to the residency policy. Approved exemption information is available on the Residence Life website. Admitted students can easily apply for housing or an exemption by using the secure online tool located in myCampus. All students must receive written confirmation of their release 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.
2. Students must pay deposit in order to complete their application and reserve a room. Housing assignments are completed based upon the student's date of completed application. All residence hall and apartment applications and assignments are made for the entire academic year (College Park Apartments operate on an 11.5 month schedule).

3. At any time after the application is complete, students may request a release from their contract for the following conditions: graduation, withdrawal for the remainder of the academic year, marriage, or a new medical condition that cannot be accommodated on campus. Financial aid is not considered during the release request process. Individuals must submit a written contract release request according to the approved conditions listed above. Release requests can be submitted at any time. 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. All residence hall students and their parents or guardians are responsible for being familiar with the code of behavior and all other regulations that are listed and explained in the Student Handbook.
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 residence halls must purchase a Meal Plan for the Dining Hall.
7. Room and board fees must be paid in full for a semester before the first day of classes.
8. Break housing is available for an additional fee during Thanksgiving, Winter and Spring break periods. Reservations must be completed at least two weeks before each break period. Late requests may not be considered. Contact the Residence Life Office for information if you are interested in break housing.
9. In cases where a preponderance of circumstantial evidence exists of policy violation or criminal action, the student's room will be searched in accordance with the Student Handbook.
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 smoke-free.
12. Alcoholic beverages or illegal substances are not permitted in the residence halls or campus apartments.
13. Residence Life has developed a plan to manage overflow housing. Occasionally, demand for housing exceeds our capacity. In this case, double bedrooms in Bryant Place will be temporarily tripled in order to provide overflow housing. Temporary triples will be emptied as soon as possible. Students housed in temporary triples will receive a housing discount based upon the amount of time spent in the temporary housing assignment. Information regarding discounts is available through the Residence Life Office.

STUDENT AUTOMOBILE 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 with cardio-theater; 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 sunning deck; 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, student concerts, lectures, up-all-night parties, student wellness programs, and many more. Also, the Falcon Center has a wide range of intramural sports available for students and staff.

BOOKSTORE

The institution's bookstore, located on the second floor of the Falcon Center, carries all textbooks and school supplies needed for classes and a large selection of FSU apparel and gifts. Other items available include diploma frames, graduation supplies, decorative frames, general reading books, reference and test prep books, blankets, computer cables, blank note cards, school spirit items, plush animals, dorm 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 and gift items are available for purchase through the online site, as well.

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 on 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 "block" of meals, available in blocks of 20, 30 or 50, to be redeemed as the student desires and valid throughout the semester. 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 AND CONVENIENCE STORE

The Nickel is just one of three retail venues available to students 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. Try our lower than market priced subs at Ciabattas or a sweet treat at Hershey's including the Royale Smoothie Bar.

STARBUCKS AT THE LIBRARY

There is a treat in store for all who choose a rich and creamy Starbucks latte or rich brewed coffee. We have expanded the menu and you will now find a good selection of pre-packaged salads, sandwiches and desserts. Look for us off to the right as you enter the Musick Library.

COPY CENTER

Located on the third floor of the Falcon Center, the Copy Center is open from 8AM to 4PM Monday through Friday. No need to leave campus - we're right here!

We're here to do copying and printing for faculty, staff, students and personal work. You create it - we copy it - from hard copy, CD, flash-drive, internet, or your student, faculty or staff e-mail account.

Our basic services include copying and printing up to 11"x17" in black & white or color. Black & white copies (8.5"x11") are \$.05 on copy paper for departments and students. The paper is not included in the price for personal jobs. Color copies (8.5x11) are \$.12 on copy paper for departments and students. For personal jobs, a color copy is \$.25 plus the cost of paper. Finishing services include cutting, folding, padding, laminating, 3-hole punch, tape binding, vinyl coil binding and booklets. An assortment of papers to complement your job is available.

THE LIBRARIES OF FAIRMONT STATE UNIVERSITY

HUTCHINS, THELMA J. (2000)
Director of Library Services
Associate Librarian

BRADISH, KELLY (2011)
Emerging Technologies Librarian
Assistant Librarian

CHIBA, TORU (2002)
Electronic Services Librarian
Assistant Librarian

HAMMONDS, ROBERT H. (1998)
Cataloging Librarian
Assistant Librarian

HIVELY, CHARLEY (2007)
Coordinator of Reference and Instructional Services
Assistant Librarian

MAZURE, SHARON L. (1997)
Reference and Interlibrary Loan Librarian
Assistant Librarian

Fairmont State University has three libraries that may be used by all students, faculty, and staff. The Ruth Ann Musick Library is located on the main campus. The Teaching & Learning Commons at the Caperton Center in Clarksburg provides library services, and students and faculty may request materials from the main campus, use computers to access the libraries' electronic materials, and get assistance with technology. The third library is located at the National Aerospace Education Center (NAEC) at Bridgeport. 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.

The libraries provide easy access to over 200,000 items including books, magazines and journals, newspapers, government documents, videos, music CDs, and other multimedia, and to over 100 electronic databases. Over 320,000 electronic books are available, full text and online, through the online catalog. More than 20,800 journals, magazines, and newspapers are available and are accessible through online databases. A number of print journals and newspapers are also available.

The libraries have an online, web-based catalog of all holdings, MARLO, available at <http://marlo.fairmontstate.edu>. This catalog is searchable from any location in the world that has internet access, through the use of a web browser. It also contains the holdings of the public school libraries and the public libraries of Marion County, and of Glenville State College. The Fairmont State Library is a member of WVDELI, a consortium of public and academic libraries providing a wide range of downloadable materials, books, audio, and video, for all library users.

SERVICES

The librarians offer instructional programs and training sessions, including orientation, 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 115 hours a week during fall and spring semesters and over 65 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. Using a major bibliographic database, OCLC, library staff members handle requests quickly. Articles may be posted

online for the requestor to view, or may be electronically transmitted to the requestor.

The librarians maintain the libraries' web pages at <http://library.fairmontstate.edu>. These web pages provide access to all resources that are available online for the use of students and faculty. Resources include electronic books, full text journals, journal indexes, videos, encyclopedias, general and specialized reference works, style manuals, newspapers, government documents, and bibliographic indexes in all areas of the sciences, social sciences, humanities, and technology. Specialized assistance in locating resources is available and students and faculty may phone or email questions to the librarians. Access to library assistance is also available via chat, through LibChat. 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 Services

CAREER DEVELOPMENT CENTER

The Career Development Center 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 Career Development Center provides the following:

- 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

All students and alumni are encouraged to take advantage of these resources. The Career Development Center is located in Turley Student Services Center. Evening appointments may be made by arrangement—contact (304) 367-4214.

COUNSELING SERVICE

The Office of Counseling Services offers high quality counseling services to FSU's undergraduate and graduate community. Psychological, emotional, and mental well-being are important contributors to academic and 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, outreach, training, and consultation services to members of the FSU community.

The counselors in Student Services offer professional assistance with personal problems, problems of social relationships and the understanding of oneself and others. Its staff consists of professionals trained in clinical practice and counseling who are experienced in dealing with issues common to college students. These services are available to all students in the belief that they often find significant benefit in counseling as a means of increasing self-awareness, maximizing potential and making the college experience more productive and meaningful. 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/studentaffairs/counseling-center>.

DISABILITY SERVICES

Under the Americans with Disabilities Act 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 Office of Disability Services collaborates with students, instructors, staff, and community members to create diverse learning environments that are usable, equitable, inclusive and sustainable. Students are required to contact the Office of Disability Services to initiate the provision of accommodations. The Office of Disability Services is located in 316 Turley Center and can be reached at (304)333-3661. For more information please visit our website www.fairmontstate.edu/access.

INTERNATIONAL STUDENT SERVICES

The Office of International Student Services offers admissions processing, 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 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, I-20's (Certificate of Eligibility for Non-Immigrant Student Status), and I-94 (Arrival/Departure Record) to each semester meeting. For additional information about the program, call (304) 367-4782 or email fsisc@fairmontstate.edu.

NON-TRADITIONAL STUDENTS

Historically students over the age of 25 have been characterized as “non-traditional”. Today more than 47% of college students fall under this non-traditional classification in U.S. higher education. However, non-traditional students or adult learners might be better defined as students who often exhibit one or more of the following seven characteristics:

- Have delayed enrollment into post-secondary education
- Attend part-time
- Are financially independent of parents
- Work full-time while enrolled
- Have dependents other than a spouse
- Are a single parent
- Lack a standard high school diploma

By using these criteria, the National Center for Education Statistics estimates that over 60 percent of students in higher education could be classified as non-traditional.

Over the past two decades, enrollment of adult learners at Fairmont State University has grown in both absolute numbers and in proportion to total enrollment. With this increase, the college recognizes the need for a proactive approach to meeting the non-traditional student's individualistic and special needs. The unique circumstances of the non-traditional student requires that the college offer special support services in order for these students to achieve academic success and to enhance the students' capacities to become self-directed, lifelong learners.

A list of currently active organization, including the Non-Traditional Students Society, can be found online at www.fairmontstate.edu on the Student Life page.

STUDENT HEALTH SERVICES

The Student Health Service is located on the 3rd floor of the Falcon Center. Office hours are Monday through Friday from 8:00 a.m. until 4:00 p.m. A Nurse Practitioner 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 at home. If care is needed beyond the scope of service the student will be referred to the appropriate facility. Students are encouraged to walk in or call the office at 304-367-4155.

WRITING CENTER

The Fairmont State University 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. The Fairmont State University Writing Center is located in Jaynes Hall 308. For hours of availability, check the Tutoring Services college website or call the Center at (304) 333-3699. The Center accepts walk-ins or appointments.

PEER TUTORING PROGRAM

Peer tutoring is available on a “drop-in” basis to all students through the Tutorial Services Center at the Locust Avenue campus only. All full-time and part-time students are entitled to free tutoring. Students with documented disabilities may be eligible for additional support services. Students are encouraged to request tutoring for extra academic support and especially if they are in danger of failing a class. Each semester, peer tutoring is available for most basic required courses and for a variety of other courses. The center has individual tutoring areas equipped with dry erase boards, desks, and computers. Students in good academic standing (sophomores, juniors, seniors) who would like to serve as paid “peer tutors” must complete an application, take a free, one-hour tutor training practicum online course, complete other required training, and meet established criteria and standards to qualify as a tutor. The Peer Tutorial Services program is certified by the College Reading & Learning Association (CRLA). For hours of availability, check the Tutorial Services college website or contact the Director of Tutorial Services in the Library, 2nd Level at 304-367-4081.

Student Activities & Organizations

ENTERTAINMENT OPPORTUNITIES

FSU students are regularly given the opportunity to attend and participate in a wide variety of engaging social activities. These activities include comedy shows, musical performances, dances, educational and motivational lectures, and many other enjoyable events. A calendar of upcoming student activities can be found at www.fairmontstate.edu on the Student Life page, under Activities.

CLUBS, HONOR SOCIETIES, AND SOCIETAL ORGANIZATIONS

FSU students have organized over 60 clubs and honorary organizations 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 www.fairmontstate.edu on the Student Life page, under Organizations.

FORENSICS (PUBLIC SPEAKING, ORAL INTERPRETATION, AND DEBATE)

Fairmont State University 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 University. All activities operate under the direction of the Communication and Theatre Arts faculty. The Intercollegiate Debate Squad participates annually in four intercollegiate debate tournaments at colleges and universities throughout the East and Midwest.

Students may participate in intercollegiate competitions in oratory, extemporaneous speaking, persuasive speaking, impromptu speaking, after-dinner speaking, prose interpretation, poetry interpretation 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. All communication majors and minors must compete in the Neely Contest as a final recital presentation.

The FSU Chapter of Pi Kappa Delta, the national forensics honorary, recognizes outstanding students through membership in the local chapter. Fairmont State University is a member of the National Forensic Association.

INTERCOLLEGIATE ATHLETICS POLICIES

The program of intercollegiate athletics at Fairmont State University is supervised by a Director of Athletics, who reports to the University President, the Fairmont State Athletic Association (FSAA), an athletic committee made up of faculty, and the Athletic Affairs committee made up of BOG members.

The general objectives of the intercollegiate athletic program at FSU are to teach students the values of sportsmanship, good physical conditioning, and the disciplinary and social values of organized team play. Specific goals include training through participation for prospective coaches and physical education instructors and the acquisition of experiences and skills which may enhance recreational outlets following graduation.

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 University 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.

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 students-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:

- (a) 24-semester or 36-quarter hours: 1.8;
- (b) 48-semester or 72 quarter hours: 1.9;
- (c) 72-semester or 108 quarters hours: 2.0; and
- (d) 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 University is a member of NCAA Division II, the Mountain East Conference and sponsors an intercollegiate athletic program of 16 sports: 7 sports for men: football, basketball, baseball, cross-country, golf, tennis and swimming, and 9 sports for women: tennis, golf, basketball, volleyball, swimming, softball, cross-country, soccer and acrobatics and tumbling. A cheerleading spirit squad which cheers for all home football and men's and women's basketball games is also offered for women and men. Fairmont State University provides fine indoor and outdoor facilities and equipment for physical education and recreation. All students are free to participate in intercollegiate sports, intramural sports and in all recreational activities.

INTRAMURAL & CLUB SPORTS

The Intramural program offers a variety of competitive recreational opportunities for students who currently are enrolled in on-campus classes, faculty, and staff. Activities and sports such as flag football, basketball, softball, golf, spades, volleyball, ping pong, and cornhole are just some of the activities offered each semester.

The philosophy of the Intramural program is to provide every student, faculty, and staff not engaged in varsity competition an opportunity to participate in competitive recreational sports in a safe environment; to facilitate the opportunity for camaraderie; and to create opportunities for healthy lifestyles and physical fitness. It is the goal of the department to foster sportsmanship, fair play and respect for competition through a diverse variety of organized sports and recreational activities in order to help develop leadership and character development.

Several Club Sports are organized on the campus and students enrolled in both institutions are eligible to participate. Current clubs include Men's and Women's Rugby, Fishing and Cheerleading. Club Sports are 100% Student supported. For information, please contact the Director of Intramural Sports at (304) 367-4291 or email intramurals@fairmontstate.edu.

MUSIC ORGANIZATIONS

Performing organizations in the Department of Music are open for the participation of 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 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 or Collegiate Singers. Participating students are encouraged to apply for a School

of Fine Arts Participation Scholarship. Interested students should contact the Department of Music, in the School of Fine Arts, for additional information at (304) 367-4897 or email Ann.Patterson@fairmontstate.edu.

PUBLICATIONS

Student publications available on campus include *The Columns*, the student newspaper; *The Mound*, the yearbook; and *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. Professor Michael Kelley (Michael.Kelley@fairmontstate.edu) serves as advisor for *The Columns* and *The Mound*, Professor Suzanne Heagy (Suzanne.Heagy@fairmontstate.edu) for *Whetstone* and Professor Elizabeth Savage (Elizabeth.Savage@fairmontstate.edu) for *Tracts*.

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 monthly. *The Mound* and *Whetstone* are published annually. *Whetstone* showcases student writing and art and accepts submissions on a rolling basis. *Tracts* is published annually. Student publications are financed primarily by student fees.

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.

Additional publication opportunities are available through the Frank and Jane Gabor West Virginia Folklife Center: www.fairmontstate/wvfolklife.

RELIGIOUS ORGANIZATIONS

Organized religious groups on campus include the Wesley Foundation, sponsored by the United Methodists and Presbyterians; Chi Alpha, related to the Assemblies of God; and the Baptist Campus Ministry, related to the American Baptist Church. Other recognized religious organizations are: Campus Light Ministries, Increasing Our Faith, InterVarsity Christian Fellowship and Young Life. A complete list of active organizations is available in the office of Student Affairs.

The campus Roman Catholic Community gathers at the Newman Center which is located directly across the street from the entrance to Bryant Street Dormitory. 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 10a.m. and 12 noon on Sunday. Contact the Newman Center at (304) 363-2300.

Contact the Wesley Foundation at (304) 363-8210 or fairmontstatewesleyfoundation@yahoo.com Web address for the Wesley Foundation is www.fairmontstate.edu/SO/wesleyfoundation

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 Government. 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, Director of Publications, Multicultural Representative, and Residence Hall Representatives. 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.

THEATRE

Fairmont State University offers an active theatre program for the benefit of performers, technicians and theatergoers.

The Masquers, the official student theatrical organization since 1923, presents annually a season of plays, varied in style and period, usually in Wallman Hall during the fall and spring semesters. The plays are directed by the Communication and Theatre Arts faculty, and designed by faculty or students under faculty supervision. Acting roles and positions on the production crews are open to the student body on a voluntary or course-credit basis. Participating students are encouraged to apply for a School of Fine Arts Participation Scholarship. Performances are open to the public. Membership in Masquers is open to the student body and is earned through participation with the theatrical productions.

Since 1960, the Masquers' Town & Gown Players has also presented a season during the summer months. Students enrolled in summer theatre courses work along with the members of the Resident Company (selected students receiving a grant for full-time acting and technical work) and members of the community. The Players bring a season of light theatre fare (comedies, musicals, children's plays) to Northern West Virginia theatergoers and provide a cultural, recreational, and educational outlet for all participants. The plays are directed, designed, and supervised by the

professionally trained members of the Communication and Theatre Arts faculty and/or guest artists. Acting roles and positions on production crews are open to the public as well as to the students, faculty, and staff on a volunteer or course-credit basis.

The Studio Theatre presents student-directed and faculty-directed presentations in a studio/experimental setting in Room 314 Wallman Hall. Acting roles and positions on production crews are open to the student body.

Students who have demonstrated scholastic and production excellence are offered membership in the Alpha cast of Alpha Psi Omega, the National Dramatic Honorary.



Special Programs

ACADEMIC COMMON MARKET

The Academic Common Market, a program coordinated by the Southern Regional Education Board (SREB), provides students in 16 southern states the opportunity to enroll in selected programs at public institutions in other states and pay in-state tuition. To qualify a student must:

- be a resident of one of the 16 SREB states;
- select a program eligible for residents of his/her home state;
- complete the admission process at the institution offering the eligible Academic Common Market program;
- be certified as a resident of the home state by contacting the ACM coordinator for the student's state of residence.

For more information, contact the Office of the Provost, and Vice President for Academic Affairs at (304) 367-4101 or visit www.sreb.org.

ADULT LEARNING CENTER

Kay Pitrolo
(304) 367-4873

Support services for the learning needs of all students are available through Pierpont Community & Technical College and the Adult Learning Center. Through the Center, students can receive support services in the following areas:

- Enhance skills in mathematics, oral and written communication, and reading to assist with WorkKeys Skills.
- Study for Civil Service Test Preparation and ACT Test Preparation.

- Study to pass the GED (high school equivalency diploma.)
- Gain skills to meet entrance requirements for vocational and other higher educational placement programs.
- Obtain computer skills needed in today's information society.
- Complete career interest inventories and learning style inventories.
- Testing for student grade levels in math, reading, and language.

The West Virginia Department of Education recognizes that today's workplace presents numerous opportunities and challenges for adults in West Virginia. It is our aim to effectively serve the foundational learning needs of diverse groups and provide a learning system that is flexible and responsive to individual needs.

ACADEMY FOR THE ARTS

Art, music, and drama 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 School of Fine Arts office. College credit is not awarded for these courses.

COMMUNITY SERVICE LEARNING

Service Learning is a national movement utilized in a number of colleges and universities in the United States. It is the process of integrating volunteer community service with active guided reflection which enhances student understanding of course material. The distinguishing characteristic of service learning is its twofold emphasis

on both enriching student learning and revitalizing the community. To accomplish this, effective service learning initiatives involve students in:

- Understanding the connections between textbook and experiential knowledge;
- Enhancing students' self-esteem through meaningful contributions to the community;
- Engaging students in decision making, critical thinking, and application of learned skills;
- Providing human resources to meet the educational, human, safety and environmental needs of the community;
- Creating a spirit of civic responsibility and leadership.

The pedagogy of service learning represents a substantial change from the traditional curriculum and promotes education as a "process of living" which encourages the processing of information, as well as its accumulation. This constant restructuring of information exemplifies the continuity and reality that exists between life experience and knowledge. Community Service Learning courses are coordinated by Amy Drvar in the Center for Civic Engagement, located in the Turley Student Services Center.

THE 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 challenging 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 six hours daily, five days per week. In order to accommodate varying academic schedules, students may apply at any time.

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 ten students. The small class size allows each participant a maximum amount of individual attention and an opportunity to develop conversational skills. ESL classes do not count toward graduation.

English as a Second Language classes at any specific level, beginning through advanced, will depend on sufficient enrollment. For more information on the ESL Program, please contact Geneva Hines, Director of International Student Services, at 304-367-4490.

THE FRANK & JANE GABOR WEST VIRGINIA FOLKLIFE CENTER

Dr. Judy P. Byers
(304) 367-4403 or (304) 367-4286
www.fairmontstate.edu/wvfolklife/default.asp

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.

Named to the National Register of Historic Places, 2006, the location of the Folklife Center is 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. Mailing Address: 1201 Locust Avenue, Fairmont, WV 26554

ACADEMIC STUDIES

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. In higher education, then, since folklife is a study of the humanist expression which 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.

One of the features of the Gabor WV Folklife Center is a 19-hour interdisciplinary academic minor that can be attached to most liberal arts majors. As an academic program in the Department of Language and Literature of The College of Liberal Arts, a folkloric studies specialization poises the student for graduate studies and professional involvement in such areas as preservation, archiving, teaching, curating, historical parks and museums management, entertainment, and storytelling.

Pierpont Community & Technical College, in association with The Frank & Jane Gabor West Virginia Folklife Center, offers certificate programs in both Museum Studies and Folk Arts & Crafts apprenticeship. In addition, Museum Studies is a concentration option in the Associate of Arts Liberal Studies program.

ARCHIVES

The 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.

Various other artifact collections have been placed in the Folklife Center Archives, and resources to properly process and store these artifacts have been obtained. The Gabor WV Folklife Center actively seeks donations of any artifacts that will help interpret West Virginia folklife. This may include photographs, family memorabilia, journals, letters, oral histories and folklore, and any other materials of such nature.

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 University, 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 University, the Gabor WV Folklife Center, and the West Virginia Humanities Council.

In addition to producing *Traditions* and *Hillchild*, the Press has published a memoir, *The Dulcimer Man: The Russell Fluharty Story* and companion CD, *Russell Fluharty Playing the Hammered Dulcimer*, and *From a Place Called Solid: West Virginia and Its Writers*, a literary map of West Virginia.

Students pursuing a minor in Folklore Studies assist co-editors Dr. Judy P. Byers and Cultural Specialist Noel W. Tenney with these publications. For more information, telephone Professor Byers at (304) 367-4286, email wvfolklife@fairmontstate.edu or visit www.fairmontstate.edu/wvfolklife.

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 is an award that recognizes special commitment towards the enhancement of West Virginia folk culture through education and public resources.

Summer Teacher Institutes in partnership with the West Virginia Humanities Council

Folk Festivals, Summer Celebrations, and Events

Fall and Spring Gatherings: Demonstrations, Exhibits, Presentations

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 the Political Science Department at (304) 367-4161 or email aridgway1@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 semester 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 the Political Science Department at (304) 367-4161 or email aridgway1@fairmontstate.edu.

THE HONORS PROGRAM

J. Robert Baker, Director

225 Turley Center / (304) 367-4791 or (304) 367-4260

JRobert.Baker@fairmontstate.edu

Fairmont State University's Honors Program identifies and encourages highly motivated, academically superior students. Working within a curriculum that promotes engagement and participation, these students enroll in Honors sections of general studies classes. The faculty teaching these Honors sections are among the best the University has to offer. Honors sections are designated in the published schedule of courses each semester and noted on students' transcripts. Additionally, students in the program complete a senior project that may be split into separate, even disparate, parts.

The Honors Program encourages students to work closely with other Honors students and the Honors faculty to explore ideas from various perspectives. Beyond the curriculum, Honors students participate in field trips, lectures, and cultural events.

Honors students may apply to live in the Honors Residence Hall, which offers a supportive community in which Honors students can study and enjoy co-curricular activities with like-minded students. Students also have the benefit of the Honors Faculty in Residence who lives in the Honors Residence Hall and is available for academic advice and support, as well as informal counsel.

Honors courses vary according to the program of study each student designs. Generally, however, students take two Honors courses each semester during their first two years at Fairmont State University. During their senior year, students complete six hours for a senior project linked to their majors. This project allows students to apply their developing intellectual skills in independent research, internships, and creative projects; it is designed also to help prepare students for graduate study or employment. At minimum, students need thirty-one to thirty-two credit hours in Honors courses to complete the Honors Program, but students are encouraged to take more than the minimum in order to deepen their education.

GENERAL STUDIES

Honors Seminar.....	1 credit hour
Honors Composition.....	3 credit hours
Honors Literature.....	3 credit hours
Honors U.S. History.....	3 credit hours
Honors Philosophy or World Civilizations.....	3 credit hours
Honors Fine Arts or Communications.....	3 credit hours
Honors Social Science.....	3 credit hours
Honors Interdisciplinary Studies.....	3 credit hours
SENIOR PROJECT IN HONORS.....	6 credit hours

LEADERSHIP CERTIFICATION

Fairmont State University provides students with the opportunity to develop their leadership abilities, regardless of their academic major or minor. Leadership Certification is an interdisciplinary humanities program based in the liberal arts and grounded in theory and practical experience. It is designed to enhance a student's college career by linking leadership to self-awareness, personal growth, organizational theory and practical experience in community service.

Required Courses:

- Leadership Certification..... 10 SEM. HRS.

INTR	2280	EMPOWERING LEADERSHIP.....	3
INTR	2281	GREAT IDEAS OF LEADERS.....	3
MGMT	3390	HUMAN BEHAVIOR IN ORGANIZATIONS.....	3
-OR-			
PSYC	4410	THEORIES OF PERSONALITY.....	3
HUSV	1103	COMMUNITY SERVICE LEARNING.....	1
-OR-		PHI THETA KAPPA LEADERSHIP CERTIFICATE.....	1

For more information on Leadership Certification contact:

J. Robert Baker
311 Jaynes Hall/(304)367-4717
JRobert.Baker@fairmontstate.edu

PRE-PROFESSIONAL AND PRE-PROGRAM STUDIES

Pre-professional and pre-program studies are not academic majors; rather, they are designed to prepare students to apply to a program or school that awards a specific degree. Two distinct types of preparatory studies exist at Fairmont State University.

- 1) Pre-professional studies prepare students to apply to professional schools at another institution after they have completed specific undergraduate coursework at Fairmont State University. Professional schools include medical, dental, engineering, pharmacy, physical therapy, veterinary or law school. Admission to professional schools is highly competitive and often requires successful completion of standardized tests and other special requirements. All students who plan to apply to professional schools are asked to declare an academic major and pursue a 4-year degree at Fairmont State University while completing the coursework specified by the professional school they desire to attend. Students who indicate an interest in pre-professional study will be given an advisor in the major area and an advisor specific to the pre-professional study they plan to pursue. Students should also carefully consult the catalog of the professional school that they plan to attend.
- 2) Pre-program studies prepare students to apply to a competitive undergraduate degree program, either at Fairmont State University or at a different institution. Before a student is accepted into the nursing program, for example, he or she will be assigned a pre-nursing advisor and will have no official major. Pre-program status exists for both two-year and four-year programs.
 - a. Pre-program studies for which a degree program exists at Fairmont State University include pre-education, pre-veterinary technology, pre-physical therapy assisting, pre-medical laboratory technology, pre-health information technology, and pre-emergency medical services.
 - b. Pre-program studies for which a degree program exists at other institutions, but for which a student can prepare while at Fairmont State University, include pre-radiation technology, pre-respiratory care, pre-medical technology and pre-journalism.

Please refer to the College of Science and Technology for:

PRE-DENTAL CURRICULUM
PRE-ENGINEERING CURRICULUM
PRE-MEDICAL CURRICULUM
PRE-MEDICAL TECHNOLOGY CURRICULUM
PRE-PHARMACY CURRICULUM
PRE-PHYSICAL THERAPY CURRICULUM

Please refer to the College of Liberal Arts for:

PRE-JOURNALISM CURRICULUM
PRE-LAW STUDIES

PUBLIC AFFAIRS INTERNSHIPS

The Political Science Department regularly becomes aware of internship opportunities at the local, state, and federal levels of government. These internships can be with members of the state House of Delegates and Senate, the United States Congress, city managers, public interest groups, or state and federal agencies. Internships can take place during the semester or during the summer months. While most of the internships do not include a salary, academic credit can be earned.

For more information, contact the Political Science Department at (304) 367-4161 or email aridgway1@fairmontstate.edu.

REGENTS BACHELOR OF ARTS DEGREE PROGRAM

Pamela Stephens, Program Coordinator
317 Turley Student Services Center / (304) 367-4801
Pamela.Stephens@fairmontstate.edu

Janice Watts, Advisor
317 Turley Student Services Center / (304) 367-4193
Janice.Watts@fairmontstate.edu

The Regents Bachelor of Arts Degree Program (RBA) is a flexible, nontraditional program designed for adults in the belief that they are distinctly different from traditional undergraduates in their needs. The program can be tailored to fit the needs of 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 Regents Degree has particular appeal for persons who have completed some college work in past years but did not obtain a degree.

ADMISSION

A student is admitted to the Regents Bachelor of Arts Degree Program by submitting the special application form to the RBA Program Advisor. Admission to this degree program does not provide for automatic admission to other programs at Fairmont State University. Applicants must have graduated from high school at least four years before admission to the 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 received four years or more before admission to the RBA program are disregarded. Any student under the Regents degree program must reapply and meet all admission requirements when changing from the Regents Bachelor of Arts Degree program to any other degree program at Fairmont State University.

REQUIREMENTS

To qualify for graduation, candidates must accumulate a total of 120 semester hours of credit with a quality point average of 2.00. At least 39 hours must be at the upper (3300 or 4400) level. Students must complete 36 semester hours of General Studies courses, including the required semester hours in each of the following areas: Communications (6), Social Sciences (6), Natural Sciences (6), Mathematics or Computer Science (3), Humanities (6), and 9 additional hours. At least 24 semester hours must be taken in the West Virginia State System of Higher Education. The RBA is an interdisciplinary degree with no major. The program can be tailored to meet the needs of individual students.

COLLEGE-EQUIVALENT CREDIT

A unique feature of the Regents Degree program is the possibility of obtaining college-equivalent credit. Credit may be awarded for learning which has taken place outside of a college, if the learning is equivalent to that which results from a college course. The learning may have resulted from work experience, on-the-job training, personal study, the pursuit of hobbies, or from a formal vocational program offered outside of a college or university, such as a hospital nursing course or military service training courses. College-equivalent credit is awarded only for the acquisition of knowledge or skills equivalent to the knowledge or skills acquired in college courses. An applicant for college-equivalent credit will prepare a portfolio, which presents in writing a detailed description of the knowledge or skills acquired outside of the college setting. Supporting documents, such as job descriptions and certificates for the completion of training programs, must be included. Directions for portfolio preparation are available for enrolled students in the RBA Office. The portfolio will be reviewed by appropriate faculty members at Fairmont State University or by other experts if a field of study is involved that is not offered by the University. The faculty members will then recommend the hours of credit to be awarded by subject at the upper and lower levels, equating the credit with existing Fairmont State University course offerings. A fee has been established for the assessment process and for the awarding of college-equivalent credit.

For more information on the RBA program, contact Janice Watts, Advisor, 317 Turley Student Services Center, (304) 367-4193.

ROTC COURSES

Air Force and Army ROTC courses are available to full-time Fairmont State University students at no additional charge by Fairmont State. The Air Force courses are offered on the West Virginia University (WVU) campus in Morgantown and will have a per credit hour charge by WVU; Army ROTC courses are offered on the Fairmont State University campus.

Air Force ROTC Contact Information:
Phone: (304) 293-5421
E-Mail: afrotc@mail.wvu.edu

Army ROTC Contact Information:
Major Mark Hennigan, Phone: (304) 685-7766
E-Mail: mark.hennigan@mail.wvu.edu

STUDY ABROAD PROGRAMS

In keeping with a desire to provide more direct student enrichment programs in international education, Fairmont State University 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) ISEP (International Student Exchange Program) www.isep.org;
- 2) University of Calabria at Rende, Province of Cosenza, Italy;
- 3) Travel-study programs sponsored by Fairmont State University;
- 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 University's approval.

Students will be required to obtain prior consent from their academic unit before registering for study abroad programs.

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 University 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, 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.

TESTING SERVICES

Testing services are available to FSU students at the Center for Workforce Education located at 320 Adams Street, Suite G01, Fairmont, WV 26554 (304) 668-7254 or (304) 367-4920.

THE UNIVERSITY OF CALABRIA EXCHANGE PROGRAM

Fairmont State University 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 FSU.

In turn, as part of the exchange partnership, FSU 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. For more information about the UNICAL Exchange Program contact The Office of the Provost and Vice President of Academic Affairs, Dr. Christina Lavorata Chris.Lavorata@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.



Academic Information

ACADEMIC ADVISING SYSTEM

Students are assigned academic advisors when they first enroll at Fairmont State University. Those students who are not ready to select a major upon entrance will be assigned to the Academic Advising Center. Students wanting to change their major fields of study must contact the Registrar's Office; students will then be referred to their major departments to have a new advisor assigned. Students should discuss problems relating to degree requirements, pre-registration, registration, and withdrawals from class or college with their advisors. (See below)

ACADEMIC ADVISING CENTER

(304) 367-4709
advise@fairmontstate.edu

The purpose of the Academic Advising Center is to provide undeclared students with comprehensive advising as well as 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.

The Center is located in 317 Turley Student Services Center.

Services:

- Formalized advisor-advisee conferences scheduled by appointment throughout the semester for undeclared students.
- Academic assistance and guidance on a drop-in basis for students with general advising concerns or questions.
- Provide academic advising for all new, transfer, and readmitted undeclared students at Orientation.

- Freshman Seminar (HUSV 1100) class offered each semester to assist first-year students in developing the skills and habits necessary to succeed in college and in life after college.
- Workshops sponsored by the Center relevant to maximizing academic success and to improving advising processes.
- Referral assistance to campus and community services.

ASSESSMENT OF STUDENT ACADEMIC ACHIEVEMENT

Fairmont State University 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 FSU 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 up to three areas: math, English, and reading. Your test results may require that you enroll in one or more academic development courses. Completing these required courses in your first semester(s) will help to ensure your greatest chance of success in college. These courses do not count toward earned hours for graduation. All assessments are free of charge, and any required academic development courses will count toward credit hours in your full-time schedule.

For information regarding placement testing, please contact the Academic Advising Center at (304) 367-4709.

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. Information is available in 340 Education Building.

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. Information is available in 340 Education Building.

GRADING SYSTEM

The following system of grading is used at FSU:

- 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 most 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." For each letter "I," in a grade report, the instructor must submit a brief description of the course requirements not completed by the student. 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.

- I - Incomplete, a temporary grade given only when students have completed most of the course, but are unable to conclude it because of unavoidable circumstance. Used only for classes graded with CR/NC.
- 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 FSU. 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.

Grades earned in other institutions shall not be used to make up a deficiency of quality points in this institution.

EXAMPLE FOR COMPUTING GRADE-POINT AVERAGE

Courses Taken	Final Grade	Quality Points	X	Sem. Hours	=	Quality Points (Total)
ENGL 1104.....	A.....	4.....	3.....	12		
BIOL 1101.....	D.....	1.....	4.....	4		
HIST 2211.....	B.....	3.....	3.....	9		
SOCY 1110.....	C.....	2.....	3.....	6		
POLI 1103.....	B.....	3.....	3.....	9		
MATH 1101.....	W.....	-.....	-.....	-		
			16	40		

40 Quality Points

16 Semester Hours = 2.5 Grade-Point Average

CREDIT/NO CREDIT OPTION

Any student who has completed 58 or more semester 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 semester hours may be completed with this option.

Students may not choose this option for the following courses:

- Major, minor or skill set
- 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.

PRESIDENT'S LIST

Students who register and receive letter grades for 12 or more hours taken at FSU (excluding credit or audit marks) and attain a grade point average of 4.0 join a select group of individuals and are named to the President's List.

DEAN'S LIST

Students who register and receive letter grades for 12 or more hours taken at FSU (excluding credit or audit marks) and receive a grade point average of 3.4 or better are considered honor students and are named to the Dean's List.

GRADE REPORTS

Students can access mid-term and final grades by logging on to www.fairmontstate.edu. Select "Enrollment Center" from the "Quick Links" menu on the homepage and enter the Secure Area Log-in.

ACADEMIC PROCEDURES

Auditing Courses:

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.

Classification of Students:

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

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

Declaring a Major:

All undeclared FSU students must select a major field of study by the beginning of their junior year.

Dropping a Class(es):

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
- 5th Week of the Weekend College
- 3rd Week of the 1st 5 Week Summer Session
- 3rd Week of the 2nd 5 Week Summer Session
- 8th Week of the 10 Week Summer Session

Students may drop a course by logging on to www.fairmontstate.edu. Select "Enrollment Center" from the "Quick Links" menu and enter the "Secure Area Log-in."

Excessive Course Withdrawal Fee:

(Effective August, 2006) 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:

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.

Numbering of Courses:

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 General Studies requirements consist of lower-level courses which should be completed by the end of the sophomore year.

Students are strongly advised to take at least eight hours of General Studies courses each semester until the requirements have been met.

Repeating a Course (Effective: August 2007)

Fairmont State University enforce 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 any course taken no later than the semester or summer term during which the student attempts the sixtieth semester hour, and if that student repeats this course prior to the receipt of a baccalaureate degree, the original grade shall be disregarded and the grade or grades earned when the course is repeated shall be used in determining his/her grade point average. The original grade shall not be deleted from the student's record. Courses passed with a grade of "C" or better may not be legally repeated.

Grades for courses repeated more than once or repeats of courses attempted in semesters following the one in which the sixtieth hour was attempted will be used in determining grade point average.

Courses completed at FSU 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 FSU and the above stipulations are met. Regularly enrolled students who complete work at another accredited institution must secure written permission from the registrar before attempting such coursework. The transfer grade policy will apply to these grades.

Courses taken at other West Virginia public institutions that are legally repeated at FSU 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.

Schedule Changes:

Within the first week of classes, students can drop and/or add classes. Individual classes that are dropped during this period do not appear on students' transcripts.

Semester Load:

In order to be considered for permission to carry more than 18 hours in a given 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 student is taking over 21 hours.

Summer School:

FSU offers a 10-week summer session each year. Courses are offered at a wide variety of times and locations to accommodate both traditional and nontraditional schedules including both day and evening offerings at the Main Campus, the Caperton Center and other off-campus locations. Class terms include two 5-week sessions, a 10-week session and an 8-week Weekend College session.

Virtual courses and intensive courses are also available.

The requirements for admission and the character of the work required are the same for the summer session as the regular academic year. All campus activities and facilities are available to students during the summer session.

Withdrawal from FSU:

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 Institution. Students are urged to print a copy of the transaction for their records.

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.

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>

ACADEMIC FORGIVENESS POLICY

Academic forgiveness is intended for the student who is returning to college with a grade point deficit and who has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Academic Forgiveness only applies to courses taken at FSU. A student who does not normally qualify for readmission because of a low GPA may be admitted and placed on academic probation, unless the student has been placed on academic suspension. When forgiveness is granted, grades of D, F and FIW earned prior to the aforementioned four-year period are excluded from the computation of the grade point average. However, no failing grade will be removed from the permanent record.

The academic forgiveness policy may be applied after a student has earned 12 credit hours that apply toward graduation, with a minimum GPA of 2.0.

Academic forgiveness will be granted only once for any student. The Registrar will give consideration to a request for forgiveness when s/he receives a signed, written request from the student which certifies that the student has not been enrolled as a full-time student (12 or more credit hours) in any institution of higher learning during the four consecutive academic years immediately preceding the readmission semester. Should the student have attended any institution of higher education on a part-time basis during the specified four-year period, s/he must have earned at least a 2.0 GPA in all course work attempted. The student's request for forgiveness must be submitted during the readmission semester, and it must identify the non-enrollment period. If all prerequisite conditions have been met, academic forgiveness will be granted at the time the current GPA is calculated officially by the Registrar upon completion of the readmission semester.

The academic forgiveness policy does not alter, change, or amend any other existing policies at FSU and is formulated to be consistent with Series 22 of the West Virginia Higher Education Policy Commission. This policy pertains only to the calculation of the GPA required for graduation and does not pertain to GPA calculated for special academic recognition (such as graduating with honors) or to requirements for professional certification which may be within the province of licensure boards, external agencies, or the West Virginia Board of Education. The Regents Bachelor of Arts Degree Program is governed by a different forgiveness policy.

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

PROBATION/SUSPENSION POLICY

(Revised March 2006)

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 FSU, 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 FSU, is below 2.0.

Academic Probation

- 1) The status of Academic Probation is automatically applied to a student when the cumulative grade point average, based upon coursework at FSU, falls below 2.0.
- 2) The status of Academic Probation will be removed only after the cumulative grade point average, based upon coursework taken at FSU, is 2.0 or higher.
- 3) A student who is placed on academic probation may continue to enroll on a full-time basis, but will be limited to 15 semester hours.

Academic Suspension

The academic records of students on probation will be reviewed at the end of each regular semester with regard to Academic Suspension. The following guidelines will be used in the review.

- 1) Academic Suspension occurs when a student's cumulative grade point average, based upon coursework taken at FSU, falls below the minimum required GPA in relation to the overall attempted institutional and transfer hours (listed below).

Credit Hours*	GPA
16-29	1.45
30-59	1.75
60+	2.00

*Attempted hours at FSU plus transfer credits.
- 2) The suspension list will be compiled at the end of the fall and spring semesters.
- 3) Students will be placed on probation for one semester before they are subject to academic suspension.
- 4) Students can be placed on suspension if they have been on probation in any previous semester.
- 5) No student with a current semester GPA of 2.0 or higher will be subject to academic suspension.
- 6) A student who is academically suspended will not be permitted to enroll in coursework at FSU for the following fall or spring full semester. One full fall or spring semester constitutes the required period of suspension.
- 7) A student 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.
- 8) FSU will not accept credit for courses taken at any institution while a student is suspended.

APPEALS, ACADEMIC SUSPENSION

A student who is suspended may appeal the decision one time only by writing a letter to the Coordinator of the Academic Advising Center, 317 Turley Student Services Center, (304)367-4709.

Note: Suspension and Probation are calculated on work done in your current institution.

GRADUATION INFORMATION

Application for Graduation:

Candidates for graduation must officially apply for a degree in Enrollment Services. Applications are due one academic year in advance. Specific due dates can be found on the Registrar's Calendar by going to <http://www.fairmontstate.edu/group/mycampus/registrar> (located under "Departments" tab). A graduation fee of \$50.00 for undergraduate students and \$75.00 for graduate students

is assessed at the time the graduation application is submitted. After the posted deadline for applications, a late fee of \$50.00 will also be assessed.

English Performance:

All students who are candidates for degrees must attain a grade of "C" or above in English 1104 and 1108 in order to prove their competence in the use of the English language. This is a requirement for graduation.

Graduation with Honors:

Candidates for graduation with an associate's degree who maintain a grade point average 3.4 or better will receive the designation of "With Honors" on their diplomas and "Honors" on the Commencement program.

Candidates for bachelor'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: 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. 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 semester 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.

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 32 hours credit, and a semester is defined as a minimum of 16 hours credit. Exception is made in the case of students who have completed three years of required work at Fairmont State University 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 before attempting such course work. Transient credit completed without permission will not be accepted.

Transcripts:

Students at FSU 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 University, and student identification number. All requests for transcripts should be sent directly to Enrollment Services. Students may access the transcript request form online at www.fairmontstate.edu. It takes 3-5 days to process requests. While there is no charge for transcripts, there is a limit of three requests per day. Rush service is available (limit 3 per day) at a charge of \$9.00 per transcript and transcripts are mailed or available for pick up either the same day or next business day.

Degree Requirements

The five baccalaureate degrees granted by Fairmont State University 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 degrees a minimum of 120 semester hours of credit is required.

DEGREE LIST

Degree	Min. Sem. Hours Required	Minor
COLLEGE OF LIBERAL ARTS		
DEPARTMENT OF LANGUAGE AND LITERATURE		
English	B.A. 120	21
Business and Technical Writing		18
Folklore Studies		19
French	18	
Journalism		18
Journalism/Technical Writing		18
Spanish	B.A. 120	24
Teaching English to Speakers of Other Languages (TESOL)		24
DEPARTMENT OF SOCIAL SCIENCE		
Computer Forensics		18
Criminal Justice	B.S. 120	18
Law Enforcement	120	
Corrections	120	
History	B.A./B.S. 120	21
Museum Studies		18
International Studies		21
National Security and Intelligence	B.A. 120	21
Philosophy		15
Political Science	B.A. 120	18
Public Administration		21
Social Studies Education	B.A.E. 129	
DEPARTMENT OF BEHAVIORAL SCIENCE		
Geography		18
Psychology	B.S. 120	
Sociology	B.S. 120	18
Population Studies	120	
COLLEGE OF SCIENCE AND TECHNOLOGY		
DEPARTMENT OF BIOLOGY, CHEMISTRY AND GEOSCIENCE		
Biology	B.S. 120	24
Biotechnology	120	
Biology Education	B.A.E. 120	
Chemistry	B.S. 120	21
Biotechnology	120	
Chemistry Education	B.A.E. 120	
Forensics	B.S. 120	
Biotechnology	120	
General Science Education	B.A. 120	
DEPARTMENT OF COMPUTER SCIENCE, MATHEMATICS AND PHYSICS		
Computer Science	B.S. 120	18
Computer Security	120	
Mathematics	B.S. 120	24
Mathematics Education	B.A. 120	

Physics	30
Physics Education	B.A. 120

DEPARTMENT OF TECHNOLOGY

Architecture	B.S. 126
Aviation Technology	B.S. 120
Aviation Maintenance Management	120
Aviation Administration (No Flight)	120 21
Aviation Administration (Flight)	120 18
Civil Engineering Technology	B.S.E.T. 120
Electronics Engineering Technology	B.S.E.T. 120 19
Graphics Technology:	
Electronic Publishing/Imaging	B.S. 120 21
Mechanical Engineering Technology	B.S.E.T. 120
Occupational Safety	B.S. 120 23-24
Technology	23
Technology Education	B.A.E. 125+

SCHOOL OF BUSINESS

Accounting	B.S. 120	18
Business Administration	B.S. 120	
Finance	120	18
General Business	120	21
Management	120	
Marketing	120	
Retail Management	18	
Sport Management	120	
Information Systems Management	B.S. 120	21

SCHOOL OF EDUCATION

	Min. Sem. Hours Required
BACHELOR OF ARTS IN EDUCATION	128-132

Education students are required to fulfill general studies requirements of the university, professional education requirements and content hours as listed below.

Early/Middle Education Elementary K-6	93
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SPECIALIZATIONS

Art	Pre K-Adult	62
Biology	9-Adult	49
Chemistry	9-Adult	45-47
English	5-Adult	48
General Science	5-Adult	48
Health	5-Adult	40
Journalism	5-Adult	24
Mathematics	5-Adult	48
Mathematics (through Algebra I)	5-9	29
Music	Pre K-Adult	70
Oral Communication	5-Adult	44
Physical Education	Pre K-Adult	43
Physics	9-Adult	45-48
Social Studies	5-Adult	60
Spanish	Pre K-Adult	42
Technology Education	5-Adult	32
Technology Education	Comprehensive 5-Adult	56
Theatre Arts	Pre K-Adult	43

EDUCATION MINOR	24
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	Degree	Min. Sem. Hours Required	Minor
DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE			
Community Health Education	B.S.....	120	21
Exercise Science	B.S.....	120	20
Nutrition.....		22	
Recreational Leadership.....			24
School Health Education	B.A.E.....	120	

SCHOOL OF FINE ARTS

Art		14	
Art Education	B.A.E.....	142	
Art History.....			18
Music	B.A.....	120	24
Music Education	B.A.E.....	146	
Communication Arts.....	B.A.....	120	24
Oral Communication Education	B.A.....	120	
Studio Art	B.A.....	120	
Theatre Arts.....	B.A.....	120	31
Theatre Education.....	B.A.E.....	120	

SCHOOL OF NURSING AND ALLIED HEALTH ADMINISTRATION

Allied Health Administration	B.S.....	120	
Nursing.....	B.S.N.....	120	

SPECIAL PROGRAMS

Regents B.A. Degree.....		120	
Women's Studies			18

ASSOCIATE DEGREE PROGRAMS

Architectural Engineering Technology	A.S.....	60	
Civil Engineering Technology	A.S.....	60	
Electronics Engineering Technology	A.S.....	59-60	
Mechanical Engineering Technology	A.S.....	60	
Nursing.....	A.S.N.....	60	
Nursing	LPN-A.S.N.....	60	
Safety Engineering Technology	A.S.....	60	

UNIVERSITY DEGREE REQUIREMENTS

Candidates for the Bachelor of Arts and Bachelor of Science degrees must complete all major and general studies course requirements as prescribed in their chosen degree program. A minor may be required for some baccalaureate degrees. However, students cannot major and minor in the same program. Each degree program has specific major and general studies requirements. While a complete listing of all general studies courses is listed in a separate section, refer to the respective schools in this catalog for details regarding major and general studies requirements. If a degree program provides some general studies options (provides a choice of courses rather than a specific required course), reference the section with the complete general studies courses listed to see what options are available.

The minimum credit required for graduation is 120 semester 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.

Fairmont State University 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."

General studies requirements may also be used to meet major or minor requirements. No course, however, may be counted more than once in meeting the number of semester hours required for graduation. For example, general studies requirements in English will also satisfy requirements for a major or minor in English.

Students are required to complete at least one designated writing intensive course as part of their general studies program or their major field of study. This course will not be in addition to other courses, but rather a course from those approved as general studies or majors courses. Students cannot use ENGL 1104, 1108, 2220, 2221, 2230, or 2231 to satisfy the writing intensive course requirement.

Twelve 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 University, students may have six 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.

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

Students are encouraged to ALWAYS check with their assigned advisor before registering for courses.

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 in Section 1 of the catalog, "Introduction."

HOW TO 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 regularly during pre-registration and at other times during the academic year when they need help.



Programs of Study

College of Liberal Arts

Dr. Deanna Shields, Dean
230 Hardway Hall / (304) 367-4161; 367-4717
Deanna.Shields@fairmontstate.edu

Department of Language and Literature

Dr. J. Robert Baker, Chair
309 Jaynes Hall / (304) 367-4717
FAX: (304) 367-4896
JRobert.Baker@fairmontstate.edu

FACULTY

BAKER, J. ROBERT (1994)
Director, Honors Program
Professor/Senior Level: English
Graduate Faculty

BYERS, JUDY P. (1982)
Professor/Senior Level: English & Folklore Studies
Abelina Suarez Professor
Director, Frank and Jane Gabor WV Folklife Center
Graduate Faculty

GEORGE, LELAND M. (1984)
Professor of English

HEAGY, SUZANNE (2008)
Professor of English

HILTZ, SHARON L. (1987)
Professor/Senior Level: English
Graduate Faculty

HIPPOLYTE, ERIN (2006)
Associate Professor of French

HOKOM, MATTHEW L. (2001)
Professor of English

KELLEY, MICHAEL (2014)
Temporary Assistant Professor of Journalism

KELLEY, SUSAN M. (1991)
Professor of English

LONG, DONNA J. (1999)
Professor of English
Graduate Faculty

MATTHEWS, JAMES (2002)
Professor of English
Graduate Faculty

NESTOR, DEBORAH (1997)
Professor of English

SANFORD, RHONDA LEMKE (1999)
Professor of English
Graduate Faculty

SAVAGE, ELIZABETH A. (2001)
Professor of English

SCHWER, MARY ANGELA (1997)
Professor of English

INTRODUCTION

As an academic division of Fairmont State University, the Department of Language and Literature embraces a process of continuous improvement in teaching and learning. To that end, students majoring in programs administered by the Department are required to participate in ongoing assessment activities that may include, but are not limited to, standardized testing at different levels, electronic portfolio evaluation, and both oral and written performance reviews.

ENGLISH

A degree in English Literature (B.A.) opens up an exciting array of career opportunities or graduate and professional studies for students who enjoy the critical study of literature; those who want a career in teaching pursue a major in English Education (B.A. Education). Students with English degrees might choose to explore careers in teaching, journalism, publishing, public affairs, marketing, or editing, to name only a few possibilities. The B.A. in English is most effective for students who wish to pursue a law degree, and, of course, prepares students for graduate study in English at the master's level.

Within the English Program are composition, literature, and creative and technical writing courses. In addition to the Bachelor of Arts in English and a teaching specialization in English Education, two minors are also available, one in business and technical writing and one in literature. 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 English 1104 and for foreign language. Students in any major may select from a variety of courses to enhance their writing skills and knowledge of English.

BACHELOR OF ARTS IN ENGLISH	120 SEM. HRS.
English Curriculum (see below).....	42 SEM. HRS.
Minor.....	21 SEM. HRS.
World Languages 2201 and 2202	6 SEM. HRS.
General Studies Requirements.....	39 SEM. HRS.
Free Electives.....	10-12 SEM. HRS.

- English Curriculum42 SEM. HRS.

Required Courses (30 hrs.)

ENGL 2251	INTRODUCTION TO LITERARY STUDIES.....	3
ENGL 3301	THEORIES OF LANGUAGE & THEIR APPL. TO ENGLISH I3	
ENGL 3303	SURVEY OF AMERICAN LITERATURE I	3
ENGL 3304	SURVEY OF AMERICAN LITERATURE II	3
ENGL 3313	SURVEY OF BRITISH LITERATURE I.....	3
ENGL 3314	SURVEY OF BRITISH LITERATURE II.....	3
ENGL 3320	LITERARY CRITICISM.....	3
ENGL 3374	SHAKESPEARE	3
ENGL 4400	SENIOR SEMINAR	3

And one of the following:

ENGL 3332	NARRATIVE AND DESCRIPTIVE WRITING.....	3
ENGL 3333	WRITING NON-FICTION	3
ENGL 3344	WRITING FICTION	3

ENGL 3345	WRITING POETRY	3
ENGL 3349	ADVANCED TECHNICAL COMMUNICATION	3

English Electives (12 hrs.)

(Select one course from each of the following categories for a total of 12 hours.)

BRITISH LITERATURE

ENGL 3370	LITERATURE OF THE MIDDLE AGES.....	3
ENGL 3373	CHAUCER.....	3
ENGL 3375	LATER RENNAISSANCE BRITISH LITERATURE	3
ENGL 3377	LITERATURE OF THE ENLIGHTENMENT	3
ENGL 3378	BRITISH ROMANTICISM	3
ENGL 3379	VICTORIAN LITERATURE	3
ENGL 3380	TWENTIETH CENTURY BRITISH LITERATURE.....	3
ENGL 3381	BRITISH NOVEL	3

AMERICAN LITERATURE

ENGL 3361	AMERICAN ROMANTICISM	3
ENGL 3362	AMERICAN REALISM AND NATURALISM.....	3
ENGL 3363	AMERICAN NOVEL.....	3
ENGL 3365	AMERICAN MODERNISM.....	3
ENGL 3366	CONTEMPORARY LITERATURE.....	3
ENGL 3393	SOUTHERN LITERATURE	3

STUDY OF GENRE

ENGL 3356	FANTASY, SCIENCE FICTION, AND MAGIC REALISM	3
ENGL 3382	WORLD NOVEL	3
ENGL 3383	EPIC TRADITION.....	3
ENGL 3390	MODERN DRAMA	3
ENGL 3391	SHORT STORY.....	3
ENGL 3392	CONTEMPORARY POETRY	3
ENGL 3394	ART OF THE MOTION PICTURE.....	3

STUDIES IN LITERATURE AND CULTURE

ENGL 3302	THEORIES OF LANGUAGE & THEIR APPLICATION TO ENGLISH II.....	3
ENGL 3355	YOUNG ADULT LITERATURE	3
ENGL 3364	APPALACHIAN LITERATURE	3
ENGL 3385	THE ARTHURIAN TRADITION.....	3
ENGL 3386	BIBLE AS LITERATURE	3
ENGL 3387	FOLK LITERATURE.....	3
ENGL 3388	WOMEN'S LITERATURE.....	3
ENGL 3389	MINORITY LITERATURE.....	3
ENGL 3395	JOURNEYS IN COMPARATIVE MYTHOLOGY	3
ENGL 3396	LITERATURE AND FILM	3

- General Studies Requirements.....39 SEM. HRS.
*Please check the section "General Studies Requirements for the Bachelor's Degree" for appropriate prerequisite listings.

Attribute 1A – Critical Analysis:

ENGL 2220	3
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Attribute 1B – Quantitative Literacy:

MATH 1107	3
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Attribute 1C – Written Communication:

ENGL 1104 or ENGL 1108.....	3
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Attribute 1D – Teamwork:

COMM 2200 or 2201	3
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Attribute 1E – Information Literacy:

ENGL 1108	3
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Attribute 1F – Technology Literacy:

Any course in 1F	3
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Attribute 1G – Oral Communication:

COMM 2200 or 2201 or 2202 or SPAN 1101 or SPAN 1102.....	X
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Attribute II – Proficiency in the Major:

Fulfilled by the Major requirements

Attribute III – Citizenship:

HIST 1107 or 1108 or POLI 1103	3
Attribute IV – Ethics:	
ENGL 2220	X
Attribute V – Health:	
PHED 1101	2
Attribute VI – Interdisciplinary:	
Any course in VI	3
Attribute VIIA – Arts:	
Any course in VIIA	3
Attribute VIIB – Humanities:	
ENGL 2221	3
Attribute VIIC – Social Sciences:	
Any course in VIIC	3
Attribute VIID – Natural Science:	
Any course in VIID	4
Attribute VIII – Cultural Awareness:	
ENGL 2221	X
Additional General Studies hours:	X

MINOR IN ENGLISH21 SEM. HRS.

Required courses (9 hrs.)

ENGL 3303 SURVEY OF AMERICAN LITERATURE I	3
- OR -	
ENGL 3304 SURVEY OF AMERICAN LITERATURE II	3
ENGL 3313 SURVEY OF BRITISH LITERATURE I	3
- OR -	
ENGL 3314 SURVEY OF BRITISH LITERATURE II	3
ENGL 3374 SHAKESPEARE	3

MINOR IN BUSINESS AND TECHNICAL WRITING 18 SEM. HRS.

Required Courses (18 hrs.)

ENGL 1109 TECHNICAL REPORT WRITING	3
ENGL 3301 THEORIES OF LANGUAGE I	3
ENGL 3333 WRITING NON-FICTION	3
ENGL 3349 ADVANCED TECHNICAL COMMUNICATION	3
JOUR 2245 REPORTING AND MULTIMEDIA NEWS WRITING	3
JOUR 3315 MULTIMEDIA PUBLISHING	3

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN ENGLISH GRADES 5-ADULT 126 SEM. HRS.

English Curriculum (see below).....	48 SEM. HRS.
General Studies Requirements	39 SEM. HRS.
Professional Education Courses	39 SEM. HRS.

NOTE regarding General Studies Requirements for this degree:
If a student has taken either ENGL 2230 or 2231 (but not both),s/he must take both ENGL 2220 and 2221. If a student has taken both ENGL 2230 and 2231, s/he must also take ENGL 2220.

• English Curriculum 48 SEM. HRS.

Required Courses (36 hrs.)

ENGL 2251 INTRODUCTION TO LITERARY STUDIES.....	3
ENGL 3301 THEORIES OF LANGUAGE I	3
ENGL 3302 THEORIES OF LANGUAGE II	3
ENGL 3303 SURVEY OF AMERICAN LITERATURE I	3
ENGL 3304 SURVEY OF AMERICAN LITERATURE II	3
ENGL 3313 SURVEY OF BRITISH LITERATURE I.....	3
ENGL 3314 SURVEY OF BRITISH LITERATURE II.....	3

ENGL 3332 NARRATIVE AND DESCRIPTIVE WRITING	3
ENGL 3355 YOUNG ADULT LITERATURE	3
ENGL 3374 SHAKESPEARE	3
ENGL 4431 METHODS OF TEACHING ENGLISH	3
JOUR 3315 MULTIMEDIA PUBLISHING	3

English Electives (12 hrs.)

(Select one from each of the following groups.)

BRITISH LITERATURE

ENGL 3370 LITERATURE OF THE MIDDLE AGES	3
ENGL 3373 CHAUCER	3
ENGL 3375 LATER RENAISSANCE BRITISH LITERATURE	3
ENGL 3377 LITERATURE OF THE ENLIGHTENMENT	3
ENGL 3378 BRITISH ROMANTICISM	3
ENGL 3379 VICTORIAN LITERATURE	3
ENGL 3380 TWENTIETH CENTURY BRITISH LITERATURE	3
ENGL 3381 BRITISH NOVEL	3

AMERICAN LITERATURE

ENGL 3361 AMERICAN ROMANTICISM	3
ENGL 3362 AMERICAN REALISM AND NATURALISM.....	3
ENGL 3363 AMERICAN NOVEL.....	3
ENGL 3365 AMERICAN MODERNISM.....	3
ENGL 3366 CONTEMPORARY LITERATURE.....	3
ENGL 3393 SOUTHERN LITERATURE	3

STUDY OF GENRE

ENGL 3356 FANTASY, SCIENCE FICTION, AND MAGIC REALISM	3
ENGL 3382 WORLD NOVEL	3
ENGL 3383 EPIC TRADITION	3
ENGL 3390 MODERN DRAMA	3
ENGL 3391 SHORT STORY.....	3
ENGL 3392 CONTEMPORARY POETRY	3
ENGL 3394 ART OF THE MOTION PICTURE.....	3

STUDIES IN LITERATURE AND CULTURE

ENGL 3364 APPALACHIAN LITERATURE	3
ENGL 3385 THE ARTHURIAN TRADITION	3
ENGL 3386 BIBLE AS LITERATURE	3
ENGL 3387 FOLK LITERATURE	3
ENGL 3388 WOMEN'S LITERATURE.....	3
ENGL 3389 MINORITY LITERATURE.....	3
ENGL 3395 JOURNEYS IN COMPARATIVE MYTHOLOGY	3
ENGL 3396 LITERATURE AND FILM	3

• Professional Education39 SEM. HRS.

Required for the B.A. in Education

EDUC 2200 INTRODUCTION TO EDUCATION	3
EDUC 2201 INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203 HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260 INSTRUCTIONAL DESIGN I	3
EDUC 2265 FIELD EXPERIENCE 2	1
EDUC 3331 READING IN THE CONTENT AREAS	3
EDUC 3340 INSTRUCTIONAL DESIGN II	3
EDUC 3351 INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365 FIELD EXPERIENCE 3	2
EDUC 4485 ACTION RESEARCH.....	1
EDUC 4486 PORTFOLIO	1
EDUC 4496 SECONDARY STUDENT TEACHING	10

- General Studies Requirements.....33 SEM. HRS.
- Attribute 1A – Critical Analysis:
 - ENGL 22203
- Attribute 1B – Quantitative Literacy:
 - MATH 1107.....3
- Attribute 1C – Written Communication:
 - ENGL 1104 or ENGL 1108.....3
- Attribute 1D – Teamwork:
 - COMM 2200 or 22013
- Attribute 1E – Information Literacy:
 - ENGL 11083
- Attribute 1F – Technology Literacy:
 - EDUC 2201X
- Attribute 1G – Oral Communication:
 - COMM 2200 or 2201 or 2202 or SPAN 1101 or SPAN 1102.....X
- Attribute II – Proficiency in the Major:
 - Fulfilled by the Major requirements
- Attribute III – Citizenship:
 - HIST 1107 or 1108 or POLI 11033
- Attribute IV – Ethics:
 - ENGL 2220X
- Attribute V – PHED 1100
 - EDUC 2203X
- Attribute VI – Interdisciplinary:
 - Any course in VI.....3
- Attribute VIIA – Arts:
 - Any course in VIIA.....3
- Attribute VIIB – Humanities:
 - ENGL 22213
- Attribute VIIC – Social Sciences:
 - Any course in VIIC.....3
- Attribute VIID – Natural Science:
 - Any course in VIID.....4
- Attribute VIII – Cultural Awareness:
 - ENGL 2221X
- Additional General Studies hours:.....X

*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

* Note: If an existing course is available on campus reflecting any of these topics, a student may opt to take it, with the approval of the Folklore Studies director. The following electives may also qualify:

Folklore Electives

FOLK	3320	THE ART OF STORYTELLING IN THEORY & PRACTICE.....3
FOLK	3350	“ROADS TO APPALACHIA STUDY” ABROAD .....3
FOLK	4998	UNDERGRADUATE RESEARCH .....1-6

FOLKLORE STUDIES

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 IN FOLKLORE STUDIES..... 19-22 SEM. HRS.

FOLK	2200	INTRODUCTION TO FOLKLORE.....3
FOLK	2201	FIELD RESEARCH/ORAL HISTORY TECHNIQUES.....1
FOLK	3300	FOLK LITERATURE .....3
FOLK	3301	MATERIAL CULTURE .....3
FOLK	3302	REGIONAL CULTURAL GEOGRAPHY & HISTORY .....3
FOLK	4400*	DIRECTED FOLKLORE STUDY .....3-6
FOLK	4401	FOLKLORE APPLICATION.....3

FRENCH

MINOR IN FRENCH..... 18 SEM. HRS. AT OR ABOVE FREN 2201

Required Courses (9 hrs.)

FREN	2201	INTERMEDIATE FRENCH I .....3
FREN	2202	INTERMEDIATE FRENCH II .....3
FREN	3311	FRENCH COMPOSITION & CONVERSATION I .....3
	-OR-	
FREN	3312	FRENCH COMPOSITION & CONVERSATION II.....3

Electives (9 hrs.)

Select from any 3000- or 4000-level courses listed in this catalog.

JOURNALISM

The Journalism curriculum presents students with a comprehensive academic program and many choices for practical media experience. Students may select from the following Journalism programs:

- Journalism as a minor, compatible with any four-year major in either the B.A. or B.S. degrees.

The 18-hour minor, applicable to any bachelor’s degree or as preparation for students planning to transfer to a four-year program at another institution.



- The 18-hour Technical Writing Program, applicable also to any bachelor's degree, for those who want greater focus on writing and more preparation for the variety of commercial and industrial writing and editing careers available to them.
- Journalism, as part of the Regents degree, with a combination of coursework and practical experience, depends upon individual programs and on administrative approval.
- The journalism program has continued to move in the direction of new media in order for students to be prepared for the newest forms of digital media.

As the media landscape has moved largely to digital/electronic formats, the journalism program has adjusted to meet the demands of these workforce needs and to prepare students to work with the newest forms of digital media. Courses incorporate multimedia, digital imaging (photojournalism), participatory (citizen) journalism, social media, and online design for Web pages, blogs, and other new media.

This program provides additional expertise in journalism through staff work on the award-winning student publications – The Columns, campus newspaper; The Mound, yearbook; and Whetstone, student art and literary journal. Students also develop professional skills through the off-campus internship 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. Specific courses are required, however, of students in Graphics/Fine Arts (Journalism 2245 and 3315) and in English Education (Journalism 3315). Students in these programs should check with the program coordinator about course sequence and prerequisites. Because prospective teachers need to be aware of the impact of mass communications today, students in teacher education programs are encouraged to take one or more of the introductory courses, such as Reporting and Multimedia News Writing, Media Literacy, and History of American Journalism.

As a way of developing the best journalism graduates possible, journalism minors and journalism education majors will be required to produce a final e-portfolio of produced coursework and clippings of campus media work, a comprehensive journalism exam, and an internship.

The journalism program has seven defined learning outcomes for students:

- 1) History & Society - Compare the development of diverse influences on American journalism from its origins to today and evaluate the media's continued influences on our democratic society.
- 2) Legal & Ethics - Develop a working knowledge of First Amendment rights and other models in the continuum of press freedom including issues such as libel, privacy, open records/meeting laws, and copyright.
- 3) Media Literacy - Relate the study of print and electronic/digital media as sources of information, persuasion, and expression to the effects of all mass media.

- 4) Design and Production - Demonstrate a working understanding and application of the production methods and software of print and digital media. This includes demonstrating the elements of design and terminology.
- 5) Reporting & Research - Develop an understanding of and application-level skills relating to researching, document analysis, information gathering, and sources for reporting news.
- 6) Writing & Style- Develop proper skills associated with writing news stories while adhering to fundamental rules of truth, accuracy, fairness, and ethics.
- 7) Practicum/Internship - In addition, the student will gain appropriate experience completing both a practicum on-campus and internship at an approved off-campus media outlet.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN JOURNALISM

GRADES 5-ADULT	120 SEM. HRS.
Journalism Curriculum (see below)	24 SEM. HRS.
General Studies Requirements	36 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Free Electives	21 SEM. HRS.

- Journalism Curriculum.....24 SEM. HRS.

Required courses (24 hrs.)

JOUR 2245	REPORTING AND MULTIMEDIA NEWS WRITING (AND L2240)	3
JOUR 2275	MEDIA LITERACY	3
JOUR 2280	HISTORY OF AMERICAN JOURNALISM	3
JOUR 3315	MULTIMEDIA PUBLISHING	3
JOUR 3335	PHOTOJOURNALISM AND DIGITAL EDITING	3
JOUR 3343	JOURNALISM INTERNSHIP	3
MKTG 3320	ADVERTISING AND SALES PROMOTION	3
ENGL 4431	METHODS AND MATERIALS	3
(MKTG 3320 AND ENGL 4431 ARE REQUIRED FOR THE B.A. IN JOURNALISM EDUCATION.)		

- General Studies Requirements.....36 SEM. HRS.

Attribute 1A – Critical Analysis:	ENGL 2220	3
Attribute 1B – Quantitative Literacy:	MATH 1107 or higher in IB	3
Attribute 1C – Written Communication:	ENGL 1104	3
Attribute 1D – Teamwork:	COMM 2200, 2221 or 2222	3
Attribute 1E – Information Literacy:	ENGL 1108	3
Attribute 1F – Technology Literacy:	EDUC 2201	X
Attribute 1G – Oral Communication:	COMM 2200 or 2201 or SPAN 1101 or SPAN 1102	X
Attribute II – Proficiency in the Major	Fulfilled by the Major requirements	
Attribute III – Citizenship:	HIST 1107 or 1108 or POLI 1103	3
Attribute IV – Ethics:	ENGL 2220 (Satisfied in Attribute IA)	X

Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
Any course in VI.....	3
Attribute VIIA – Arts:	
Any course in VIIA.....	3
Attribute VIIB – Humanities:	
ENGL 2221	3
Attribute VIIC – Social Sciences:	
Any course in VIIC.....	3
Attribute VIID – Natural Science:	
Any course in VIID.....	4
Attribute VIII – Cultural Awareness:	
ENGL 2221 (Satisfied in Attribute VIIB).....	X
Additional General Studies hours:.....	X

• Professional Education39 SEM. HRS.

Required for the B.A. in Education

EDUC 2200 INTRODUCTION TO EDUCATION.....	3
EDUC 2201 INSTRUCTIONAL TECHNOLOGY.....	3
EDUC 2203 HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS.....	3
EDUC 2260 INSTRUCTIONAL DESIGN I.....	3
EDUC 2265 FIELD EXPERIENCE 2.....	1
EDUC 3331 READING IN THE CONTENT AREAS.....	3
EDUC 3340 INSTRUCTIONAL DESIGN II.....	3
EDUC 3351 INCLUSIVE CLASSROOM PRACTICES.....	3
EDUC 3365 FIELD EXPERIENCE 3.....	2
EDUC 4485 ACTION RESEARCH.....	1
EDUC 4486 PORTFOLIO.....	1
EDUC 4496 SECONDARY STUDENT TEACHING.....	10

PRE-JOURNALISM OR JOURNALISM MINOR 18 SEM. HRS.

Required courses (18 hrs.)

JOUR 2245 REPORTING AND MULTIMEDIA NEWS WRITING.....	3
JOUR 2275 MEDIA LITERACY.....	3
JOUR 2280 HISTORY OF AMERICAN JOURNALISM.....	3
JOUR 3315 MULTIMEDIA PUBLISHING.....	3
JOUR 3335 PHOTOJOURNALISM AND DIGITAL EDITING.....	3
JOUR 3343 JOURNALISM INTERNSHIP.....	3

JOURNALISM MINOR: TECHNICAL WRITING OPTION 18 SEM. HRS.

Required courses (15 hrs.)

ENGL 1109 TECHNICAL REPORT WRITING.....	3
ENGL 3301 THEORIES OF LANGUAGE I.....	3
JOUR 2245 REPORTING AND MULTIMEDIA NEWS WRITING.....	3
JOUR 3315 MULTIMEDIA PUBLISHING.....	3
JOUR 3343 JOURNALISM INTERNSHIP.....	3

Electives (3 hrs.)

(Select one of the two courses below.)

ENGL 3333 WRITING NON-FICTION.....	3
ENGL 3349 ADVANCED TECHNICAL COMMUNICATION.....	3

(In addition, the following electives are suggested but not required.)

ENGL 3302 THEORIES OF LANGUAGE II.....	3
ENGL 3333 WRITING NON-FICTION.....	3
ENGL 3349 ADVANCED TECHNICAL COMMUNICATION.....	3
JOUR 3335 PHOTOJOURNALISM AND DIGITAL EDITING.....	3

SPANISH

With more than forty million Spanish speakers, Spanish is now the second most-spoken language in the U.S., and employment opportunities are significantly strengthened for majors. In education, there is widespread need for Spanish teachers at all levels. In many places, Spanish proficiency has become essential for such professions as social work, criminal justice, business and banking, and allied health areas. Spanish courses at Fairmont State University are designed to develop students' skills in speaking, comprehension, reading, and writing the language. They will also gain an understanding of Hispanic culture both outside and inside the United States. Students preparing to teach Spanish and those wishing to integrate Spanish into their chosen professions will be able to choose from a variety of courses aimed at helping them reach their career goals.

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.

Advanced Placement allows Spanish majors and minors with previous experience in the target language to accelerate their program. A placement exam will determine at what level the student may begin.

BACHELOR OF ARTS IN SPANISH 120 SEM. HRS.

Spanish Curriculum (see below).....	42 SEM. HRS.
General Studies Requirements	36-38 SEM. HRS.
Free Electives.....	19-21 SEM. HRS.
Minor (optional).....	24 SEM. HRS.

• Spanish Curriculum.....42 SEM. HRS.

Required courses (27 hrs.)

SPAN 1101 ELEMENTARY SPANISH I.....	3
SPAN 1102 ELEMENTARY SPANISH II.....	3
SPAN 2201 INTERMEDIATE SPANISH I.....	3
SPAN 2202 INTERMEDIATE SPANISH II.....	3
SPAN 3301 SPANISH COMPOSITION & CONVERSATION I.....	3
SPAN 3302 SPANISH COMPOSITION & CONVERSATION II.....	3
SPAN 3310 SPANISH CIVILIZATION & CULTURE.....	3
- OR -	
SPAN 3320 LATIN AMERICAN CIVILIZATION & CULTURE.....	3
SPAN 4400 SURVEY OF LATIN AMERICAN LITERATURE.....	3
SPAN 4401 SURVEY OF PENINSULAR LITERATURE.....	3

Spanish Electives (15 hrs.)

(Students may select from the following list or choose other courses approved by their advisor.)

SPAN 1199 SPECIAL TOPICS.....	3
SPAN 2200 LANGUAGE THROUGH VIDEO.....	3
SPAN 2250 SPANISH FOR THE MEDICAL PROFESSIONS.....	3
SPAN 2251 SPANISH FOR CRIMINAL JUSTICE.....	3
SPAN 2252 SPANISH FOR THE WORLD ECONOMY.....	3
SPAN 3300 UNDERGRADUATE INTERNSHIP.....	3-6
SPAN 3350 HISTORY OF THE SPANISH LANGUAGE.....	3
SPAN 4402 INDEPENDENT STUDY.....	3-6

SPAN 4418 US HISPANIC CULTURES & LITERATURE.....3
 SPAN 4431 METHODS: SECOND LANGUAGE ACQUISITION3

• General Studies Requirements36 SEM. HRS.

Attribute 1A – Critical Analysis:
 ENGL 22203
 Attribute 1B – Quantitative Literacy:
 MATH 1107.....3
 Attribute 1C – Written Communication:
 ENGL 11043
 Attribute 1D – Teamwork:
 COMM 2200 or 22013
 Attribute 1E – Information Literacy:
 ENGL 11083
 Attribute 1F – Technology Literacy:
 Any course in 1F3
 Attribute 1G – Oral Communication:
 COMM 2200 or 2201 or 2202 or SPAN 1101 or SPAN 1102.....X
 Attribute II – Proficiency in the Major
 Fulfilled by the Major requirements
 Attribute III – Citizenship:
 HIST 1107 or 1108 or POLI 11033
 Attribute IV – Ethics:
 ENGL 2220X
 Attribute V – Health:
 PHED 1100.....2
 Attribute VI – Interdisciplinary:
 Any course in VI3
 Attribute VIIA – Arts:
 Any course in VIIA.....3
 Attribute VIIB – Humanities:
 ENGL 2221X
 Attribute VIIC – Social Sciences:
 Any course in VIIC.....3
 Attribute VIID – Natural Science:
 Any course in VIID.....4
 Attribute VIII – Cultural Awareness:
 ENGL 2221X
 Additional General Studies hours:X

**BACHELOR OF ARTS IN EDUCATION:
 TEACHING SPECIALIZATION IN SPANISH**

GRADES PRE K-ADULT 120 SEM. HRS.
 Spanish Curriculum (see below).....42 SEM. HRS.
 General Studies Requirements 36-38 SEM. HRS.
 Professional Education Courses39 SEM. HRS.
 Free Electives..... 1-3 SEM. HRS.

• Spanish Curriculum42 SEM. HRS.

Required courses (30 hrs.)

SPAN 1101 ELEMENTARY SPANISH I3
 SPAN 1102 ELEMENTARY SPANISH II3
 SPAN 2201 INTERMEDIATE SPANISH I3
 SPAN 2202 INTERMEDIATE SPANISH II3
 SPAN 3301 SPANISH COMPOSITION & CONVERSATION I3
 SPAN 3302 SPANISH COMPOSITION & CONVERSATION II3
 SPAN 3310 SPANISH CIVILIZATION & CULTURE3
 - OR -
 SPAN 3320 LATIN AMERICAN CIVILIZATION & CULTURE3
 SPAN 4400 SURVEY OF LATIN AMERICAN LITERATURE3
 SPAN 4401 SURVEY OF PENINSULAR LITERATURE3
 SPAN 4431 METHODS: SECOND LANGUAGE ACQUISITION3

Spanish Electives (12 hrs.)

(Students may select from the following list or choose other courses approved by their advisor.)

SPAN 1199 SPECIAL TOPICS3
 SPAN 2200 LANGUAGE THROUGH VIDEO3
 SPAN 3300 UNDERGRADUATE INTERNSHIP3-6
 SPAN 3310 SPANISH CIVILIZATION AND CULTURE3
 - OR -
 SPAN 3320 LATIN AMERICAN CIVILIZATION & CULTURE3
 SPAN 3350 HISTORY OF THE SPANISH LANGUAGE3
 SPAN 4402 INDEPENDENT STUDY3-6
 SPAN 4418 US HISPANIC CULTURES & LITERATURE.....3

• Professional Education39 SEM. HRS.

Required for the B.A. in Education

EDUC 2200 INTRODUCTION TO EDUCATION3
 EDUC 2201 INSTRUCTIONAL TECHNOLOGY3
 EDUC 2203 HUMAN DEVELOPMENT, LEARNING & TEACHING.....3
 EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS3
 EDUC 2260 INSTRUCTIONAL DESIGN I3
 EDUC 2265 FIELD EXPERIENCE 21
 EDUC 3331 READING IN THE CONTENT AREAS3
 EDUC 3340 INSTRUCTIONAL DESIGN II3
 EDUC 3351 INCLUSIVE CLASSROOM PRACTICES3
 EDUC 3365 FIELD EXPERIENCE 32
 EDUC 4485 ACTION RESEARCH1
 EDUC 4486 PORTFOLIO1
 EDUC 4496 SECONDARY STUDENT TEACHING10

• General Studies Requirements36 SEM. HRS.

Attribute 1A – Critical Analysis:
 ENGL 22203
 Attribute 1B – Quantitative Literacy:
 MATH 1107.....3
 Attribute 1C – Written Communication:
 ENGL 11043
 Attribute 1D – Teamwork:
 COMM 2200 or 22013
 Attribute 1E – Information Literacy:
 ENGL 11083
 Attribute 1F – Technology Literacy:
 Any course in 1F3
 Attribute 1G – Oral Communication:
 COMM 2200 or 2201 or 2202 or SPAN 1101 or SPAN 1102.....X
 Attribute II – Proficiency in the Major
 Fulfilled by the Major requirements
 Attribute III – Citizenship:
 HIST 1107 or 1108 or POLI 11033
 Attribute IV – Ethics:
 ENGL 2220X
 Attribute V – Health:
 PHED 1100.....2
 Attribute VI – Interdisciplinary:
 Any course in VI3
 Attribute VIIA – Arts:
 Any course in VIIA.....3
 Attribute VIIB – Humanities:
 ENGL 2221X
 Attribute VIIC – Social Sciences:
 Any course in VIIC.....3
 Attribute VIID – Natural Science:
 Any course in VIID.....4
 Attribute VIII – Cultural Awareness:
 ENGL 2221X
 Additional General Studies hours:X

MINOR IN SPANISH24 SEM. HRS.

Required courses (24 hrs.)

SPAN	1101	ELEMENTARY SPANISH I.....	3
SPAN	1102	ELEMENTARY SPANISH II.....	3
SPAN	2201	INTERMEDIATE SPANISH I.....	3
SPAN	2202	INTERMEDIATE SPANISH II.....	3
SPAN	3301	SPANISH COMPOSITION & CONVERSATION I.....	3
SPAN	3302	SPANISH COMPOSITION & CONVERSATION II.....	3
SPAN	3310	SPANISH CIVILIZATION AND CULTURE.....	3
	- OR -		
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE.....	3
SPAN	4400	SURVEY OF LATIN AMERICAN LITERATURE.....	3
	- OR -		
SPAN	4401	SURVEY OF PENINSULAR LITERATURE.....	3

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

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, 2212 and 2213 and ENGL 2220 and 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 IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL).....24 SEM. HRS.

Required courses (21 hrs.)

Language Requirement

Students must take 6 credits of a world language other than English at the 2200 level or above.

LANG	3300	INTERCULTURAL COMMUNICATION (CROSS-LISTED WITH COMM 3300).....	3
LANG	3301	THEORIES OF LANGUAGE I (CROSS-LISTED WITH ENGL 3301).....	3
LANG	3302	THEORIES OF LANGUAGE II (CROSS-LISTED WITH ENGL 3302).....	3
LANG	4431	TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (CROSS-LISTED SPAN 4431).....	3
LANG	4432	TEACHING ENGLISH TO SPEAKER OF OTHER LANGUAGES PRACTICUM.....	3

Electives (3 hrs.)

Select one of the following courses:

BSBA	3320	INTERNATIONAL BUSINESS.....	3
BSBA	3322	MANAGING BUSINESS IN EUROPE.....	3
PHIL	3350	COMPARATIVE RELIGION.....	3
POLI	3311	GLOBAL AFFAIRS.....	3
POLI	3321	U.S. FOREIGN POLICY.....	3
POLI	3370	WORLD RELIGIONS AND POLITICS.....	3

SOCY 3301 ETHNOLOGY.....3

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.....	3
FOLK	2200	INTRODUCTION TO FOLKLORE.....	3

Department of Social Science

Dr. Diana C. Noone, Chair
110a Hardway Hall / (304) 367-4238
Diana.Noone@fairmontstate.edu

FACULTY

ABRUZZINO, DAVID (2010)
Director of Open Source Intelligence
Exchange (OSIX)Lab

BARTOLO, ANN D. (2001)
Temporary Instructor of Criminal Justice

HARRISON, WILLIAM H. (2013)
Temporary Assistant Professor of Political Science

JUNG, JAMES J. (2013)
Assistant Professor of National Security and Intelligence

MCLAUGHLIN, JOHN E. (2013)
Assistant Professor of Criminal Justice

MILLEN-PENN, KENNETH (1995)
Professor of History

MYERS, JENNIFER (2009)
Criminal Justice Graduate Program Director
Assistant Professor of Criminal Justice
Graduate Faculty

NOONE, DIANA C. (2004)
Associate Professor of Criminal Justice
Graduate Faculty

NOONE, GREGORY P. (2007)
Director, National Security and Intelligence Program
Associate Professor of Political Science & Law

PAYNE, ROBIN (2012)
Assistant Professor of History

PODLASKOWSKI, ADAM (2009)
Assistant Professor of Philosophy

RADULOVICH, NENAD (2006)
Temporary Assistant Professor of History
& Social Studies Education



SHIELDS, CHARLES (1996)
Professor of Criminal Justice
Graduate Faculty

SHIELDS, DEANNA (1982)
Professor of Criminal Justice
Graduate Faculty

SMALLRIDGE, JOSHUA L. (2011)
Assistant Professor of Criminal Justice
Graduate Faculty

CRIMINAL JUSTICE

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. The Bachelor of Science in Criminal Justice allows the student to choose an area of concentration, either law enforcement or corrections. 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.

PRE-LAW STUDIES

Students planning to apply to most law schools may complete a four-year undergraduate degree in any major at Fairmont State University. According to the web site for the West Virginia University School of Law, “Whatever major an applicant decides to pursue should be augmented by a well-rounded variety of course selections that might include philosophy, writing, logic, history, literature, and fundamentals of accounting. The University urges applicants to engage in a curriculum that demands intellectual self-discipline and develops reading, writing, verbal, and analytical skills.” Students should carefully consult the pre-law advisor at FSU and the catalog of the law school they plan to attend for more information. Pre-Law Advisor: Charles Shields, 110B Hardway Building, 367-4114, cshields@fairmontstate.edu

BACHELOR OF SCIENCE IN

CRIMINAL JUSTICE120 SEM. HRS.
Criminal Justice Courses (see below)42 SEM. HRS.
Social and Behavioral Science21 SEM. HRS.

General Studies Requirements30 SEM. HRS.
Free Electives27 SEM. HRS.
No Minor Required

• Criminal Justice Required Courses27 SEM. HRS.

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	2240	ADJUDICATION PROCESS	.....3
CRIM	2250	CYBERCRIME	.....3
CRIM	2295	ETHICS IN CRIMINAL JUSTICE	.....3
CRIM	3320	CRIMINOLOGY	.....3
CRIM	4410*	RESEARCH IN CRIMINAL JUSTICE	.....3
		- OR -	
CRIM	4425*	EVALUATION OF CRIMINAL JUSTICE SYSTEM	.....3

*Students may take both courses and count one toward concentration requirements. Students may NOT count one toward both requirements

• Concentrations15 SEM. HRS. Choose Law Enforcement or Corrections.

LAW ENFORCEMENT

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRIM	1199	SPECIAL TOPICS	.....1-12
CRIM	2203	COMPUTER CRIME	.....3
CRIM	2205	NATURAL RESOURCES LAWS	.....3
CRIM	2209	FIREARMS	.....3
CRIM	2212	DEVIANT BEHAVIOR	.....3
CRIM	2215	INTRODUCTION TO PRIVATE SECURITY	.....3
CRIM	2218	POLICE ADMINISTRATION	.....3
CRIM	2220	JUVENILE JUSTICE PROCESS	.....3
CRIM	2226	CRIME SCENE INVESTIGATION	.....3
CRIM	2236	CRIMINAL INVESTIGATION	.....3
CRIM	2246	CRIMINAL EVIDENCE	.....3
CRIM	2256	HOMICIDE INVESTIGATION	.....3
CRIM	2266	SEX CRIMES	.....3
CRIM	3300	CRIMINALISTICS	.....3
CRIM	3304	THE FEMALE OFFENDER	.....3
CRIM	3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE	.....3
CRIM	3310	COMPARATIVE CRIMINAL JUSTICE	.....3
CRIM	3325	ANALYSIS OF SECURITY OPERATIONS	.....3
CRIM	3335	ANALYSIS OF POLICE OPERATIONS	.....3
CRIM	3340	LAWS OF ARREST, SEARCH AND SEIZURE	.....3
CRIM	3365	LICIT AND ILLICIT DRUGS	.....3
CRIM	3370	ECONOMIC CRIME	.....3
CRIM	3399	SPECIAL TOPICS IN CRIMINAL JUSTICE	.....3-9
CRIM	4401	INDEPENDENT STUDY	.....1-6
CRIM	4405	TERRORISM	.....3
CRIM	4411	FIELD PRACTICUM	.....3-12
CRIM	4415	COMMUNITY POLICING	.....3
CRIM	4420	LEGAL RESEARCH	.....3

CORRECTIONS

(Must include a minimum of 12 hours of 3300-4400 level courses.)

CRIM	1199	SPECIAL TOPICS	.....1-12
CRIM	2203	COMPUTER CRIME	.....3
CRIM	2209	FIREARMS	.....3
CRIM	2212	DEVIANT BEHAVIOR	.....3
CRIM	2220	JUVENILE JUSTICE PROCESS	.....3
CRIM	2236	CRIMINAL INVESTIGATION	.....3
CRIM	2246	CRIMINAL EVIDENCE	.....3

CRIM 2255	LAW OF CORRECTIONS.....	3
CRIM 2266	SEX CRIMES.....	3
CRIM 3300	CRIMINALISTICS.....	3
CRIM 3304	THE FEMALE OFFENDER.....	3
CRIM 3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE.....	3
CRIM 3310	COMPARATIVE CRIMINAL JUSTICE.....	3
CRIM 3330	GROUP DISTURBANCES.....	3
CRIM 3340	LAWS OF ARREST, SEARCH AND SEIZURE.....	3
CRIM 3350	GROUP TECHNIQUES.....	3
CRIM 3355	ANALYSIS OF CORRECTIONAL OPERATIONS.....	3
CRIM 3360	COMMUNITY BASED CORRECTIONS.....	3
CRIM 3365	LICIT AND ILLICIT DRUGS.....	3
CRIM 3370	ECONOMIC CRIME.....	3
CRIM 3399	SPECIAL TOPICS IN CRIMINAL JUSTICE.....	3-9
CRIM 4401	INDEPENDENT STUDY.....	1-6
CRIM 4405	TERRORISM.....	3
CRIM 4411	FIELD PRACTICUM.....	3-12
CRIM 4420	LEGAL RESEARCH.....	3

• Social and Behavioral Sciences.....21 SEM. HRS.

Student must choose 21 hours from any upper level (2200-4400) courses in Geography, History, National Security and Intelligence, Political Science, Philosophy, Psychology, or Sociology EXCLUDING “introduction to” courses and 1000/2000-level history courses. Courses must be chosen from at least three disciplines. Students interested in pursuing a criminal justice master’s degree must include PSYC 2240 Statistics, and CRIM 4410 Research in Criminal Justice.

• General Studies Requirements.....30 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis.....	
ENGL 1108.....	3
Attribute IB – Quantitative Literacy	
MATH 1107 or higher in 1B choices.....	3
Attribute IC – Written Communication	
ENGL 1104.....	3
Attribute ID – Teamwork.....	
CRIM 2295 (Satisfied in Major).....	X
Attribute IE – Information Literacy	
ENGL 1108 (Satisfied in Attribute IA)	
Attribute IF – Technology Literacy	
ENGL 1109.....	3
Attribute IG – Oral Communications	
COMM 2200, 2201, 2202.....	3
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship	
POLI 1103.....	3
Attribute IV – Ethics	
CRIM 2295 (Satisfied in ID).....	X
Attribute V – Health and Well-being	
PHED 1100.....	2
Attribute VI - Interdisciplinary and Lifelong Learning	
POLI 1103 (Satisfied in Attribute III).....	X
Attribute VIIA – Fine Arts	
ARTS 1120 or MUSI 1120 or THEA 1120 or INTRO 1120.....	3
Attribute VIIB – Humanities	
HIST 2211, 2212 or 2213.....	3
Attribute VIIC – Social Science	
CRIM 2202 (Satisfied in Major).....	X
Attribute VIID – Natural Science	
ANY COURSE LISTED IN VIID.....	4
Attribute VIII – Cultural Awareness	
HIST 2211, 2212 or 2213 (Satisfied in Attribute VIIB).....	X

MINOR IN CRIMINAL JUSTICE 18 SEM. HRS.

Required Courses (9 hrs.)

CRIM 1100	INTRODUCTION TO CRIMINAL JUSTICE.....	3
CRIM 1101	POLICE OPERATIONS.....	3
CRIM 2206	INTRODUCTION TO CORRECTIONS.....	3

Electives (9 hrs.)

Students must choose CRIM courses from the 3300-4400 level.

HISTORY

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.

BACHELOR OF ARTS IN HISTORY..... 120 SEM. HRS.

History Courses.....	45 SEM. HRS.
General Studies Requirements.....	42-43 SEM. HRS.
Foreign Language Requirements.....	12 SEM. HRS.
Free Electives.....	17-18 HRS.
Additional Requirement.....	3 HRS.
No Minor Required	

• Required History Courses 18 HRS.

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
HIST 4498	SENIOR SEMINAR.....	3



• Advanced History Electives 27 HRS.

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

HIST	3301	HISTORY OF INTELLIGENCE & NATIONAL SECURITY.....	3
HIST	3302	WEST VIRGINIA HISTORY	3
HIST	3310	DIPLOMATIC HISTORY OF THE UNITED STATES.....	3
HIST	3315	COLONIAL AMERICA.....	3
HIST	3316	THE EARLY REPUBLIC.....	3
HIST	3317	CIVIL WAR AND RECONSTRUCTION	3
HIST	3318	GILDED AGE TO THE GREAT CRASH	3
HIST	3319	RECENT AMERICA.....	3
HIST	3333	SOCIAL HISTORY OF THE AMERICAN WOMAN	3
HIST	3344	AFRICAN-AMERICAN HISTORY AND CULTURE.....	3
HIST	3351	HISTORY OF ENGLAND	3
HIST	3352	HISTORY OF RUSSIA.....	3
HIST	4405	HISTORY OF AFRICA.....	3
HIST	4410	HISTORY OF ASIA.....	3
HIST	4420	HISTORY OF LATIN AMERICA	3
HIST	4425	MEDIEVAL EUROPE.....	3
HIST	4428	RENAISSANCE AND REFORMATION	3
HIST	4429	AGE OF ABSOLUTISM	3
HIST	4430	19TH CENTURY EUROPE.....	3
HIST	4431	RECENT EUROPE.....	3
HIST	4455	REVOLUTIONS IN HISTORY	3
HIST	4475	PHILOSOPHY OF HISTORY	3
HIST	4499	SPECIAL TOPICS.....	3

• Additional Requirement 3 HRS.

ENGL	3332	NARRATIVE & DESCRIPTIVE WRITING.....	3
		- OR -	
ENGL	3333	WRITING NON-FICTION	3

• Foreign Language Requirements 12 SEM. HRS.

FREN 1101, 1102, 2201, 2202 OR
SPAN 1101, 1102, 2201, 2202 OR

Department permission to substitute 12 hours of other language study

• General Studies Requirements..... 42-43 SEM.HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis			
	ENGL	2220 or 2221	3
Attribute IB – Quantitative Literacy			
	MATH	1107 or 1112	3
Attribute IC – Written Communication			
	ENGL	1104 (required).....	3
Attribute ID – Teamwork: Choose 3 hours from:			
	COMM	2201, CRIM 2295 or 3330	3
Attribute IE – Information Literacy: 3 hours			
	ENGL	1108 (required).....	3
Attribute IF – Technology Literacy			
	BISM	1200, 2200 or TECH 1100	3
Attribute IG – Oral Communication			
	COMM	2200	3
Attribute II – Proficiency in the Major			
	Fulfilled by the Major requirements		
Attribute III – Citizenship			
	HIST	1107 or HIST 1108 (SATISFIED IN MAJOR)	X
Attribute IV – Ethics			
	PHIL	3325 or SOCY 1110	3

Attribute V – Health and Well-being:

PHED	1100.....	2
OR		
CRIM	2212.....	3

Attribute VI– Interdisciplinary and Lifelong Learning:

POLI	1103.....	3
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Attribute VIIA – Arts (Any Arts Appreciation 1120)

ART 1120 or INTR 1120 or MUSI 1120 or THEA 1120	3
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Attribute VIIB – Humanities:

ENGL	2230, 2231.....	3
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Attribute VIIC – Social Sciences:

PSYC 1101 OR GEOG 2210	3
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Attribute VIID – Natural Sciences: Choose 4 hours from:

Any course with the prefix SCIE in VII.D.....	4
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Attribute VIIIA – Cultural Awareness and Human Dignity:

(Satisfied by HIST 2211, HIST 2212 or HIST 2213)	X
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BACHELOR OF SCIENCE IN HISTORY 120 SEM. HRS.

History Courses..... 45 HRS.

General Studies Requirements..... 42-43 HRS.

Additional Requirements..... 12 HRS.

Free Electives..... 20-21 HRS.

No Minor Required

• Required History Courses 18 HRS.

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
HIST	4498	SENIOR SEMINAR	3

Advanced History Electives 27 HRS.

Selected with advisor's approval. Advanced electives may be taken only when prerequisites are met or with the instructor's permission.

HIST	3301	HISTORY OF INTELLIGENCE AND NATIONAL SECURITY 3	
HIST	3302	WEST VIRGINIA.....	3
HIST	3310	DIPLOMATIC HISTORY OF THE UNITED STATES.....	3
HIST	3315	COLONIAL AMERICA.....	3
HIST	3316	THE EARLY REPUBLIC.....	3
HIST	3317	CIVIL WAR AND RECONSTRUCTION	3
HIST	3318	GILDED AGE TO THE GREAT CRASH	3
HIST	3319	RECENT AMERICA.....	3
HIST	3333	SOCIAL HISTORY OF THE AMERICAN WOMAN	3
HIST	3344	AFRICAN-AMERICAN HISTORY AND CULTURE.....	3
HIST	3351	HISTORY OF ENGLAND	3
HIST	3352	HISTORY OF RUSSIA.....	3
HIST	4405	HISTORY OF AFRICA.....	3
HIST	4410	HISTORY OF ASIA.....	3
HIST	4420	HISTORY OF LATIN AMERICA	3
HIST	4425	MEDIEVAL EUROPE.....	3
HIST	4428	RENAISSANCE AND REFORMATION	3
HIST	4429	AGE OF ABSOLUTISM	3
HIST	4430	19TH CENTURY EUROPE.....	3
HIST	4431	RECENT EUROPE.....	3
HIST	4455	REVOLUTIONS IN HISTORY	3
HIST	4475	PHILOSOPHY OF HISTORY	3
HIST	4499	SELECTED TOPICS	3

- Additional Requirements 12 HRS.
 - ENGL 3332 NARRATIVE & DESCRIPTIVE WRITING.....3
 - OR -
 - ENGL 3333 WRITING NON-FICTION3
 - AND-
 - SOCY 2240 NONPARAMETRIC STATISTICS3
 - OR -
 - POLI 2240 NON PARAMETRIC STATISTICS3
 - AND -
 - SOCIAL/BEHAVIORAL ELECTIVES.....6

Students must choose two courses from the following list:

BSBA 2200	ECONOMICS	.....3
ENGL 3382	THE WORLD NOVEL	.....3
INTR 2200	RACE, CLASS, AND GENDER IN POP CLTR	.....3
PHIL 2250	THE GREAT PHILOSOPHERS	.....3
PHIL 3325	ETHICS	.....3
POLI 2200	INTRODUCTION TO POLITICAL SCIENCE	.....3
POLI 3304	AMER. CONSTITUTIONAL GOVERNMENT AND LAW	.....3
PSYC 2220	HISTORY OF PSYCHOLOGY	.....3
PSYC 2230	SOCIAL PSYCHOLOGY	.....3
SOCY 1111	INTRODUCTION TO ANTHROPOLOGY	.....3
SOCY 3360	METHODS OF SOCIAL RESEARCH	.....3

- General Studies Requirements 42-43 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis	
ENGL 2220 or 2221	.....3
Attribute IB – Quantitative Literacy	
MATH 1107 or 1112	.....3
Attribute IC – Written Communication	
ENGL 1104 (required)	.....3
Attribute ID – Teamwork: Choose 3 hours from:	
COMM 2201, CRIM 2295 or 3330	.....3
Attribute IE – Information Literacy: 3 hours	
ENGL 1108 (required)	.....3
Attribute IF – Technology Literacy	
BISM 1200, 2200 or TECH 1100	.....3
Attribute IG – Oral Communication	
COMM 2200	.....3
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship	
HIST 1107 or HIST 1108 (Satisfied in Major)	.....X
Attribute IV – Ethics	
PHIL 3325 or SOCY 1110	.....3
Attribute V – Health and Well-being:	
PHED 1100	.....2
OR	
CRIM 2212	.....3
Attribute VI– Interdisciplinary and Lifelong Learning:	
POLI 1103	.....3
Attribute VIIA – Fine Arts	
ART 1120, MUSI 1120, THEA 1120 or INTR 1120	.....3
Attribute VIIB – Humanities:	
ENGL 2230, 2231	.....3
Attribute VIIC – Social Sciences:	
PSYC 1101 OR GEOG 2210	.....3
Attribute VIID – Natural Sciences: Choose 4 hours from:	
Any course with the prefix SCIE in VII.D	.....4
Attribute VIIIA – Cultural Awareness and Human Dignity:	
(Satisfied by HIST 2211, HIST 2212 or HIST 2213)	.....X

MINOR IN HISTORY21 SEM. HRS.

Required Courses (6 hrs.)

HIST 1107	UNITED STATES HISTORY I	.....3
HIST 1108	UNITED STATES HISTORY II	.....3

Electives (6 hrs.)

(Select two of the following courses)

HIST 2211	WORLD CIVILIZATIONS I	.....3
HIST 2212	WORLD CIVILIZATIONS II	.....3
HIST 2213	WORLD CIVILIZATIONS III	.....3

Advanced Electives (9 hrs.)

Select any three upper-level courses.

MINOR IN MUSEUM STUDIES

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 liberal arts majors, especially History.

- Required Courses 18 SEM. HRS.

MUSM 1100	INTRODUCTION TO MUSEUM STUDIES	.....3
MUSM 2150	FOLK ARTS	.....3
MUSM 3210	MUSEUM INTERPRETATION AND EDUCATION	.....3
MUSM 3220	MUSEUM COLLECTIONS MANAGEMENT	.....3
MUSM 3230	MUSEUM EXHIBIT DESIGN AND CONSTRUCTION	.....3
MUSM 4290	MUSEUM PRACTICUM/INTERNSHIP/CAPSTONE	.....3

NATIONAL SECURITY & INTELLIGENCE

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 ensuring employment in this field will be placed on probation or dropped from the Program depending on the outcome of the review.

BACHELOR OF ARTS IN NATIONAL SECURITY & INTELLIGENCE	120 SEM. HRS.
National Security & Intelligence Curriculum.....	58 SEM. HRS.
General Studies.....	30 SEM. HRS.
Foreign Language Requirements.....	12 SEM. HRS.
Free Electives.....	20 SEM. HRS.
No Minor Required	

- National Security & Intelligence Curriculum.....58 SEM. HRS.

Required Courses (52 Hrs.)

BISM	4300	BUSINESS INTELLIGENCE.....	3
BSBA	2200	ECONOMICS	3
HIST	1107	U.S. HISTORY I.....	3
HIST	1108	U.S. HISTORY II	3
HIST	2213	WORLD CIVILIZATIONS III	3
HIST	3301	HISTORY OF INTELLIGENCE AND NAT. SECURITY	3
HIST	3310	DIPLOMATIC HISTORY.....	3
NSIS	3301	INTELLIGENCE RESEARCH	3
NSIS	4450	NSI SENIOR SEMINAR/PROJECT.....	3
PHIL	3350	COMPARATIVE RELIGION	3
-OR-			
POLI	3370	WORLD RELIGIONS AND POLITICS.....	3
POLI	1103	AMERICAN GOVERNMENT	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS.....	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3340	RESEARCH METHODS AND ANALYSIS.....	3
-OR-			
CRIM	4410	RESEARCH IN CRIMINAL JUSTICE.....	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	3
POLI	4405	TERRORISM	3
-OR-			
CRIM	4405	TERRORISM	3
PSYC	2240	STATISTICS.....	4

- National Security and Intelligence Electives (6 hrs.)

CRIM	2236	CRIMINAL INVESTIGATION.....	3
CRIM	2246	CRIMINAL EVIDENCE.....	3
CRIM	3310	COMPARATIVE CRIMINAL JUSTICE.....	3
NSIS	3302	NSI FIELD EXPERIENCE PRACTICUM.....	1-12
NSIS	4499	SPECIAL TOPICS NATIONAL SECURITY & INTELLIGENCE	1-12
POLI	3300	PUBLIC ADMINISTRATION	3
POLI	3310	RECENT POLITICAL THEORY.....	3
POLI	4406	INTERNATIONAL PROBLEMS	3
LANAGUAGE RELATED CULTURE & HISTORY COURSE			

- General Studies Requirements.....30 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis			
ENGL	1108	.....	3
Attribute IB – Quantitative Literacy			
MATH	1107	or higher in IB	3
Attribute IC – Written Communication			
ENGL	1104	.....	3
Attribute ID – Teamwork			
CRIM	2295	.....	X
Attribute IE – Information Literacy			
ENGL	1108	(Satisfied in IA.)	3
Attribute IF – Technology Literacy			
ENGL	1109	.....	3
Attribute IG – Oral Communication			
ENGL	1109	(Satisfied in IF.).....	X

Attribute II – Proficiency in the Major			
Fulfilled by the Major requirements			
Attribute III – Citizenship			
Major Course: POLI 1103, HIST 1107 or HIST 1108.....X			
Attribute IV. – Ethics			
CRIM	2295	(Satisfied in ID).....	X
Attribute V – Health			
PHED	1100	.....	2
Attribute VI – Interdisciplinary			
Major Course: POLI 1103.....X			
Attribute VIIA – Arts			
ART	1120	or INTR 1120 or MUSI 1120, or THEA 1120	3
Attribute VIIB – Humanities			
Any of the Following: HIST 2211, HIST 2212 or PHIL 2250			
Attribute VIIC – Social Sciences			
CRIM	3310	or POLI 2200	3
Attribute VIID - Natural Science			
Any course in VIID.....			
Attribute VIII – Cultural Awareness			
HIST 2211, HIST 2212, or POLI 2200 (Satisfied in VII.B or VII.C)			

NATIONAL SECURITY AND INTELLIGENCE MINOR 18 SEM. HRS.

Required courses (6 hrs.)

HIST	3301	HISTORY OF INTELLIGENCE & NATIONAL SECURITY.....	3
CRIM	4405	TERRORISM	3
-OR-			
POLI	4405	TERRORISM	3

Electives (12 hrs.)

Students must choose courses from at least two different disciplines.

CRIM	2246	CRIMINAL EVIDENCE.....	3
CRIM	3310	COMPARATIVE CRIMINAL JUSTICE.....	3
CRIM	4410	RESEARCH IN CRIMINAL JUSTICE.....	3
HIST	3310	DIPLOMATIC HISTORY.....	3
POLI	1103	AMERICAN GOVERNMENT.....	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS.....	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	3
POLI	4406	INTERNATIONAL PROBLEMS	3
NSIS	3301	INTELLIGENCE RESEARCH	3
NSIS	3302	NSI FIELD EXPERIENCE PRACTICUM.....	1-12
NSIS	4450	NSI SENIOR SEMINAR/PROJECT.....	3
NSIS	4499	SPECIAL TOPICS IN NATIONAL SECURITY AND INTELLIGENCE	1-12

PHILOSOPHY (MINOR ONLY)

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 IN PHILOSOPHY 15 SEM.HRS.

Required courses (6 hrs.)

PHIL	2200	INTRODUCTION TO PHILOSOPHY.....	3
PHIL	2250	GREAT PHILOSOPHERS	3

Electives (9 hrs.)

Choose from any of the remaining Philosophy courses available.

POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS.....	3
POLI	2203	COMPARATIVE GOVERNMENT	3
POLI	3340	RESEARCH METHODS	3
-OR-			
CRIM	4410	RESEARCH IN CRIMINAL JUSTICE.....	3
POLI	4470	SEMINAR IN POLITICAL SCIENCE.....	3

Political Science Electives (15 hrs.)

Students may choose from any advanced (3300/4400) Political Science courses.

POLITICAL SCIENCE

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 Seminar in Political Science (POLI 4470). 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 Academic Programs).

BACHELOR OF ARTS IN

POLITICAL SCIENCE 120 SEM. HRS.

Political Science Curriculum (see below)	39 SEM. HRS.
General Studies Requirements.....	30 SEM. HRS.
MINOR REQUIRED	18 SEM. HRS.
Free Electives.....	33 SEM. HRS.

- Political Science Curriculum.....39 SEM. HRS.

Required courses (24 hrs.)

CRIM	2295	ETHICS IN CRIMINAL JUSTICE.....	3
--OR--			
PHIL	3325	ETHICS	3
BSBA	2200	ECONOMICS	3

MINOR IN POLITICAL SCIENCE 18 SEM. HRS.

Required courses (6 hrs.)

POLI	1103	AMERICAN GOVERNMENT	3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	3

Electives (12 hrs.)

Students may choose from any Political Science courses, with their advisor's approval.

- General Studies Requirements.....30 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis.....	
ENGL 1108	3
Attribute IB – Quantitative Literacy	
MATH 1101 or higher in 1B choices.....	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID – Teamwork	
CRIM 2295 (Satisfied in Major).....	X
Attribute IE – Information Literacy	
ENGL 1108 (Satisfied in Attribute IA).....	X
Attribute IF – Technology Literacy	
ENGL 1109	3
Attribute IG – Oral Communications	
ENGL 1109 (Satisfied in Attribute IF)	X
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship	
US HISTORY 1107 or HIST 1108	3
Attribute IV – Ethics	
CRIM 2295 (Satisfied in MAJOR)	X
Attribute V – Health and Well-being	
PHED 1100.....	2
Attribute VI - Interdisciplinary and Lifelong Learning	
POLI 1103 (Satisfied in Major).....	X
Attribute VIIA – Fine Arts	
ART 1120, INTR 1120, MUSI 1120, or THEA 1120.....	3
Attribute VIIB – Humanities	
HIST 2211, 2212 or 2213 OR PHIL 2250	3
Attribute VIIC – Social Science	
CRIM 3310	3
Attribute VIID – Natural Science	
Any Course Listed in VIID.....	4
Attribute VIII – Cultural Awareness	
CRIM 3310 OR HIST 2211, 2212 or 2213	
(Satisfied in Attribute VIIB OR VIIC).....	X

MINOR IN POLITICAL SCIENCE 18 SEM. HRS.

Required courses (6 hrs.)

POLI	1103	AMERICAN GOVERNMENT	.....3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	.....3

Electives (12 hrs.)

Students may choose from any Political Science courses, with their advisor's approval.

MINOR IN PUBLIC ADMINISTRATION 21 SEM. HRS.

Required courses (15 hrs.)

BSBA	2221	INTRODUCTION TO FINANCE	.....3
BSBA	2209	PRINCIPLES OF MANAGEMENT	.....3
MGMT	3308	PERSONNEL MANAGEMENT	.....3
POLI	3300	PUBLIC ADMINISTRATION	.....3
SOCY	3360	METHODS OF SOCIAL RESEARCH	.....3

Electives (6 hrs.)

BSBA	3310	STATISTICS	.....3
MATH	1190	CALCULUS I	.....4
MGMT	3390	HUMAN BEHAVIOR IN THE ORGANIZATION	.....3
MGMT	4409	QUANTITATIVE MANAGEMENT	.....3
MKTG	3340	MARKETING RESEARCH	.....3
POLI	3302	STATE AND LOCAL GOVERNMENT	.....3

MINOR IN INTERNATIONAL STUDIES 21 SEM. HRS.

Required courses (12 hrs.)

BSBA	3320	INTERNATIONAL BUSINESS	.....3
GEOG	3305	ECONOMIC GEOGRAPHY	.....3
PHIL	3350	COMPARATIVE RELIGION	.....3
- OR -			
POLI	3370	WORLD RELIGIONS AND POLITICS	.....3
POLI	2201	PRINCIPLES OF INTERNATIONAL RELATIONS	.....3

• International Studies Electives..... (9 hrs.)

Select from at least two disciplines.

ENGL	3381	THE BRITISH NOVEL	.....3
ENGL	3382	THE WORLD NOVEL	.....3
FREN	3314	FRENCH CIVILIZATION AND CULTURE	.....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
HIST	3310	DIPLOMATIC & MILITARY HISTORY OF THE U.S.	.....3
HIST	3351	HISTORY OF ENGLAND	.....3
HIST	3352	HISTORY OF RUSSIA	.....3
HIST	4405	HISTORY OF AFRICA	.....3
HIST	4410	HISTORY OF ASIA	.....3
HIST	4420	HISTORY OF LATIN AMERICA	.....3
HIST	4431	RECENT EUROPE	.....3
HIST	4455	REVOLUTIONS IN HISTORY	.....3
PHIL	3325	ETHICS	.....3
POLI	2203	COMPARATIVE GOVERNMENT	.....3
POLI	3321	U.S. FOREIGN POLICY	.....3
POLI	3350	INTERNATIONAL LAW AND ORGANIZATIONS	.....3
POLI	4405	TERRORISM	.....3
- OR -			
CRIM	4405	TERRORISM	.....3
POLI	4406	INTERNATIONAL PROBLEMS	.....3
POLI	4411	AREA STUDIES	.....3
POLI	4412	AREA STUDIES	.....3

POLI	4413	AREA STUDIES	.....3
SOCY	3301	ETHNOLOGY	.....3
SPAN	3310	SPANISH CIVILIZATION & CULTURE	.....3
SPAN	3320	LATIN AMERICAN CIVILIZATION & CULTURE	.....3

SOCIAL STUDIES EDUCATION

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 grade on the PPST (reading, writing and math); passing a criminal background check; submitting a Declaration of Intent to the Dean of Education; acceptable scores on the ACT or SAT; completion of early field experience (contact the School 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.

**BACHELOR OF ARTS IN EDUCATION,
TEACHING SPECIALIZATION IN SOCIAL STUDIES****GRADES 5-ADULT** 129 SEM. HRS.

Social Studies Curriculum (see below)	.....60 SEM. HRS.
General Studies Requirements	..... 30 SEM. HRS.
Professional Education Courses	.....39 SEM. HRS.

• Social Studies Curriculum.....60 SEM. HRS.

Required Courses (54 hrs.)

BSBA	2200	ECONOMICS	.....3
GEOG	2210	INTRODUCTION TO GEOGRAPHY	.....3
GEOG	ELECTIVE		.....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
HIST	3302	WEST VIRGINIA	.....3
HIST	3319	RECENT AMERICA	.....3
HIST	4431	RECENT EUROPE	.....3
POLI	1103	AMERICAN GOVERNMENT	.....3
POLI	2200	INTRODUCTION TO POLITICAL SCIENCE	.....3
PSYC	1101	INTRODUCTION TO PSYCHOLOGY	.....3
SOCY	1110	INTRODUCTORY SOCIOLOGY	.....3
SOCY	3301	ETHNOLOGY	.....3
SSCI	4431*	METHODS & MATERIALS OF TEACH. SOC. STUDIES	.....3
SSCI	4498*	INTERDISCIPLINARY SEMINAR	.....3

Electives (6 hrs.)

(Select one of the following options.)

OPTION 1: A second teaching field outside the Social Studies,

grades 5-Adult. See School of Education, Health and Human Performance for more information.

OPTION 2: Social and Behavioral Science Advanced Studies

These advanced studies in the Social and Behavioral Sciences allow prospective teachers to explore and understand the state guidelines for teacher education and the corresponding competencies in greater depth. Select 6 hours from any of the following disciplines: Economics, Geography, History, Philosophy, Political Science, Psychology, and Sociology.

• General Studies Requirements30 SEM. HRS

Note: the following course choices are strongly suggested by the Department of Social Sciences in order to best fulfill the General Studies Attributes and the goals of the BA in Education, Social Studies Concentration, and Grades 5 to Adult.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:	
ENGL 2220	3
Attribute IB – Quantitative Literacy:	
MATH 1107 or 1112	3
Attribute IC – Written Communication:	
ENGL 1104 (required)	3
Attribute ID – Teamwork:	
fulfilled by SOCY 3310	X
Attribute IE – Information Literacy:	
ENGL 1108 (required)	3
Attribute IF – Technology Literacy:	
fulfilled by EDUC 2201	X
Attribute IG – Oral Communication:	
COMM 2200	3
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship:	
fulfilled by HIST 1107	X
Attribute IV – Ethics:	
fulfilled by SOCY 1110	X
Attribute V – Health and Well-being:	
PHED 1100	2
Attribute VI – Interdisciplinary and Lifelong Learning:	
fulfilled by POLI 1103	X
Attribute VIIA – Fine Arts:	
ART 1120 or MUSI 1120 or THEA 1120	3
Attribute VIIB – Humanities:	
ENGL 2230 or ENGL 2231	3
Attribute VIIC – Social Sciences:	
fulfilled by GEOG 2210	X
Attribute VIID.– Natural Sciences:	
one of the following: SCIE 1100, 1103, 1105, 1107, 1110, 1115, 1120, 1210, 1220	4
Attribute VIIIA – Cultural Awareness and Human Dignity:	
ENGL 2221	3

• Professional Education39 SEM. HRS.

The first two courses in this sequence are taken BEFORE admission to Teacher Education.

EDUC 2200	INTRO TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3

The following courses are taken after gaining admission into the School of Education, Health and Human Performance:

EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3

EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3	2
EDUC 4485	ACTION RESEARCH	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

Department of Behavioral Science

Dr. Clarence Rohrbaugh, Chair
 230 Hardway Hall / (304) 367-4669
 FAX: (304) 367-4785
 Clarence.Rohrbaugh@fairmontstate.edu

FACULTY

- ALLEN, GEORGE (2012)
Assistant Professor of Psychology

- GURASH, DAN (2008)
Temporary Assistant Professor of Geography/Sociology

- JOSHI, TULASI R. (1972)
Professor of Geography
Graduate Faculty

- KAST, CHRISTOPHER (2013)
Temporary Assistant Professor of Sociology

- KATO, TADASHI (2003)
Associate Professor of Psychology
Graduate Faculty

- RANSOM, MICHAEL (2011)
Assistant Professor of Psychology

- ROHRBAUGH, CLARENCE C. (2002)
Associate Professor of Psychology
Graduate Faculty

- SHAVER, ANN V. (1997)
Professor of Psychology
Graduate Faculty

- SHAVER, A. JOSEPH (1988)
Professor of Psychology
Graduate Faculty

- WHITE, CRAIG C. (1967)
Professor/Senior Level: Sociology
Graduate Faculty



GEOGRAPHY (MINOR ONLY)

The Geography Program strives to create an environment in which the students are challenged to promote their own intellectual, social, and personal development. Course offerings are designed to develop many worthwhile concepts, skills, and attitudes. Students learn the manner in which people from different parts of the world make use of their natural/cultural environments, as well as how life and events in different parts of the world interrelate with one another. A background in geography is appropriate for possible careers in education, agriculture, industry, government, business, community planning, and military service.

MINOR IN GEOGRAPHY 18 SEM. HRS.

Required courses (9 hrs.)

GEOG 2210	INTRODUCTION TO GEOGRAPHY.....	3
GEOG 3305	ECONOMIC GEOGRAPHY	3
GEOG 3315	URBAN GEOGRAPHY	3

Electives (9 hrs.)

Select any other courses in geography, GEOL 1101, or SOCY 2220.

PSYCHOLOGY

Psychology is the science that deals with the study of behavior. The Psychology Program at FSU 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 55 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.

BACHELOR OF SCIENCE IN

PSYCHOLOGY 120 SEM. HRS.

Psychology Curriculum (See below) 55 SEM. HRS.

General Studies Requirements (See below) 39 SEM. HRS.

Free Electives..... 26 SEM. HRS.

• Psychology Curriculum 55 SEM. HRS.

Required courses (46 hrs.)

PSYC 1101	INTRODUCTION TO PSYCHOLOGY	3
PSYC 2220	HISTORY & SYSTEMS OF PSYCHOLOGY	3
PSYC 2230	SOCIAL PSYCHOLOGY.....	3
PSYC 2240	STATISTICS	3
PSYC 3300	ABNORMAL PSYCHOLOGY	3
PSYC 3305	RESEARCH METHODS	4
PSYC 3310	EXPERIMENTAL PSYCHOLOGY	3
PSYC 3330	DEVELOPMENTAL PSYCHOLOGY	3
PSYC 3340	INTERVENTION TECHNIQUES AND APPLICATIONS.....	3
PSYC 3350	BIOPSYCHOLOGY.....	3
PSYC 3360	COGNITIVE PSYCHOLOGY.....	3
OR		
PSYC 3370	THEORIES OF LEARNING.....	3
PSYC 3390	FOUNDATIONS OF PSYCHOLOGY	3
PSYC 4400	PSYCHOMETRICS.....	3
PSYC 4410	THEORIES OF PERSONALITY	3
PSYC 4460	SEMINAR	3

Required Electives (9 hrs)

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.

PSYC 2250	COMMUNITY PSYCHOLOGY	3
PSYC 2260	INDUSTRIAL PERSONNEL.....	3
PSYC 3320	SENSATION AND PERCEPTION	3
PSYC 3360	COGNITIVE PSYCHOLOGY	3
PSYC 3399	SPECIAL TOPICS	3
PSYC 4480	DIRECTED STUDIES	1-3
PSYC 4485	ADVANCED PSYCHOMETRICS.....	3
PSYC 4487	PRACTICUM I.....	3
PSYC 4489	PRACTICUM II.....	3
PSYC 4490	DIRECTED RESEARCH	1-3
PSYC 4491	PSYCHOPATHOLOGY OF CHILD. & ADOLESCENCE.....	3
PSYC 4493	THE PSYCHOLOGY OF AGING.....	3
PSYC 4494	INTERPERSONAL DYNAMICS	3

• General Studies Requirements..... 39 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis

PSYC 3310 (Satisfied in Major).....X

Attribute IB – Quantitative Literacy

MATH 1107 or higher in IB choices.....3

Attribute IC – Written Communication

ENGL 1104

Attribute ID – Teamwork

COMM 2200 (May be Satisfied in Attribute IG).....X

Attribute IE – Information Literacy

ENGL 1108

Attribute IF – Technology Literacy

ENGL 1109

Attribute IG – Oral Communication

COMM 2200 OR 2201 OR 2202.....3

Attribute II – Proficiency in the Major

Fulfilled by the Major requirements

Attribute III – Citizenship

HIST 1107 OR 1108 OR POLI 1103

Attribute IV – Ethics

ANY COURSE LISTED IN IV

Attribute V – Health

PHED 1100.....2

Attribute VI – Interdisciplinary

ANY COURSE LISTED IN VI.....3

Attribute VIIA – Arts

ANY COURSE LISTED IN VIIA

Attribute VIIB – Humanities	
ANY COURSE LISTED IN VIIB	3
Attribute VIIC – Social Sciences	
PSYC 1101 (SATISFIED IN MAJOR).....	3
Attribute VIID – Natural Science	
ANY COURSE LISTED IN VIID	4
Attribute VIII – Cultural Awareness	
ANY GEOG COURSE IN VIII.....	3
Additional General Studies Hours	
PSYC 3390 (SATISFIED IN MAJOR).....	X
(WRITING INTENSIVE COURSE)	

MINOR IN PSYCHOLOGY 18 SEM. HRS.

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.

Required courses (3 hrs.)	
PSYC 1101 INTRODUCTION TO PSYCHOLOGY	3
Electives (15 hrs.)	
ANY TWO COURSES FROM THE 2200 LEVEL	6
ANY THREE COURSES FROM THE 3300 OR 4400 LEVEL	9

SOCIOLOGY

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.

GENERAL EMPHASIS PROGRAM

The General Emphasis Program will expand a student’s ability to question and understand various forms of interaction in social and cultural systems. The course of study will provide knowledge of the theories and constructs in sociology and anthropology, the use of concepts and research techniques in sociological investigation, and background in sociological theory.

BACHELOR OF SCIENCE IN SOCIOLOGY 120 SEM. HRS.	
Sociology Curriculum (see below).....	42 SEM. HRS.
General Studies Requirements (see below)	33 SEM. HRS.
MINOR (required)	18 SEM. HRS.
Free Electives.....	27 SEM. HRS.

• **Sociology Curriculum 42 SEM. HRS.**

Required courses (27 hrs.)	
SOCY 1110 INTRODUCTORY SOCIOLOGY.....	3
SOCY 2200 SOCIAL PROBLEMS.....	3
SOCY 2205 PRINCIPLES OF RACE, CLASS, AND GENDER.....	3
SOCY/PSYCH 2240 NONPARAMETRIC STATISTICS	3
SOCY 3301 CULTURAL ANTHROPOLOGY.....	3
SOCY 3360 METHODS OF SOCIAL RESEARCH.....	3
SOCY 3370 CONCEPTS OF SURVEY DESIGN.....	3
SOCY 3395 SOCIOLOGICAL THEORY	3
SOCY 4480 SENIOR CAPSTONE	3

Sociology Electives (15 hrs.)

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.

ELECTIVE CLUSTERS:

ORGANIZATIONS AND INSTITUTIONS

SOCY 3310 SOCIOLOGY OF THE FAMILY	3
SOCY 4410 SOCIOLOGY OF WORK.....	3

STRATIFICATION AND DIVERSITY

SOCY/PSYCH 2230 SOCIAL PSYCHOLOGY.....	3
SOCY 3325 STRATIFICATION AND CLASS.....	3
SOCY 4450 RACE AND ETHNICITY.....	3

SOCIAL PROBLEMS AND COLLECTIVE BEHAVIOR

SOCY 2220 POPULATION STUDIES	3
SOCY 3340 JUVENILE DELINQUENCY.....	3
SOCY 3390 SOCIAL CHANGE.....	3

• **General Studies Requirements..... 33 SEM. HRS.**

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis	
ENGL 3332 OR PHIL 2275	3
Attribute IB – Quantitative Literacy	
MATH 1107 or higher in 1B choices.....	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID – Teamwork	
COMM 2201	3
Attribute IE – Information Literacy	
ENGL 1108	3
Attribute IF – Technology Literacy	
BISM 1200	3
Attribute IG – Oral Communication	
COMM 2201 (Satisfied in Attribute 1D).....	X
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship	
HIST 1107 OR 1108 OR POLI 1103	3



Attribute IV – Ethics	
SOCY 2200 (Satisfied in Major)	X
Attribute V – Health	
PHED 1100	2
Attribute VI – Interdisciplinary	
SOCY 2200 (Satisfied in Major)	X
Attribute VIIA – Arts	
ANY COURSE LISTED IN VIIA	3
Attribute VIIB – Humanities	
ANY COURSE LISTED IN VIIB	3
Attribute VIIC – Social Sciences	
SOCY 1110 (Satisfied in Major)	X
Attribute VIID – Natural Science	
ANY COURSE LISTED IN VIID	4
Attribute VIIE – Cultural Awareness	
SOCY 3301 (Satisfied in Major)	X
Additional General Studies Hours	
SOCY 3395 (Satisfied in Major)	X
(Writing Intensive Course)	

POPULATION STUDIES

This study leading to a concentration in Population Studies will provide students with the knowledge to identify and predict population movement and its potential effect on economics, crime rate, geography, and other demographic concerns. Topics will cover applications of Geographic Information Systems (GIS), applied research techniques, data mining, and other areas relevant to population studies.

BACHELOR OF SCIENCE IN SOCIOLOGY

with concentration in Population Studies	120 SEM. HRS.
Sociology Curriculum (See Below)	37 SEM. HRS.
General Studies Requirements (See Below)	33 SEM. HRS.
Minor (Required)	18 SEM. HRS.
Free Electives	32 SEM. HRS.

• Sociology Curriculum30 SEM. HRS.

Required courses (18 hrs.)	
SOCY 1110	INTRODUCTORY SOCIOLOGY.....3
SOCY 2200	SOCIAL PROBLEMS.....3
SOCY 2240	NONPARAMETRIC STATISTICS.....3
SOCY 3301	ETHNOLOGY.....3
SOCY 3360	METHODS OF SOCIAL RESEARCH.....3
SOCY 4470	SOCIOLOGICAL THEORY.....3

Additional Major Course required for Sociology Major with Population Studies emphasis:

SOCY 2220	INTRODUCTION TO POPULATION STUDIES.....3
SOCY 3390	SOCIAL MOVEMENT.....3
PSYC 2240	STATISTICS.....3
SCIE 1107	INTRO TO GEOGRAPHIC INFORMATION SYSTEMS.....4

Major Electives for Sociology Major with Population Studies emphasis. Choose any two of the following electives courses in addition to the required courses:

POLI 2201	PRINCIPLES OF INTERNATIONAL RELATIONS.....3
GEOG 3305	ECONOMIC GEOGRAPHY.....3
GEOG 3315	URBAN GEOGRAPHY.....3
SOCY 3325	SOCIAL STRATIFICATION.....3
CRIM 3370	ECONOMIC CRIME.....3
SOCY 4450	MINORITY GROUPS.....3

• General Studies Requirements.....33 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis	
ENGL 3332 OR PHIL 2275	3
Attribute IB – Quantitative Literacy	
MATH 1107 or higher in 1B choices	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID – Teamwork	
COMM 2201	3
Attribute IE – Information Literacy	
ENGL 1108	3
Attribute IF – Technology Literacy	
BISM 1200	3
Attribute IG – Oral Communication	
COMM 2201 (Satisfied in Attribute 1D)	X
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III – Citizenship	
HIST 1107 OR 1108 OR POLI 1103	3
Attribute IV – Ethics	
SOCY 2200 (Satisfied in Major)	X
Attribute V – Health	
PHED 1100	2
Attribute VI – Interdisciplinary	
SOCY 2200 (Satisfied in Major)	X
Attribute VIIA – Arts	
ANY COURSE LISTED IN VIIA	3
Attribute VIIB – Humanities	
ANY COURSE LISTED IN VIIB	3
Attribute VIIC – Social Sciences	
SOCY 1110 (Satisfied in Major)	X
Attribute VIID – Natural Science	
ANY COURSE LISTED IN VIID	4
Attribute VIIE – Cultural Awareness	
SOCY 3301 (Satisfied in Major)	X
Additional General Studies Hours	
SOCY 4470 (Satisfied in Major)	X
(Writing Intensive Course)	

MINOR IN SOCIOLOGY 18 SEM. HRS.

Required courses (9 hrs.)

SOCY 1110	INTRODUCTORY SOCIOLOGY.....3
SOCY 2200	SOCIAL PROBLEMS.....3
SOCY 3301	ETHNOLOGY.....3

Electives (9 sem. hrs.)

Any three additional courses including PSYC 2230 or SOCY courses from any level.



Programs of Study

College of Science & Technology

Dr. Donald Trisel, Interim Dean
302c Engineering Technology Building / (304) 367-4302
Donald.Trisel@fairmontstate.edu

Department of Biology, Chemistry and Geoscience

Dr. Steven K. Roof, Chair
319 Hunt Haught Hall / (304) 367-4363
Steven.Roof@fairmontstate.edu

FACULTY

BAUR, ANDREAS (2000)
Professor of Chemistry

BAXTER, HARRY N., III (1985)
Professor of Chemistry

CASTO, PAMELA (2009)
Temporary Assistant Professor of Geoscience

ENSIGN, TODD (2005)
Temporary Assistant Professor of Geoscience

FLOOD, MARK R. (1994)
Professor of Biology

HARVEY, ERICA L. (1994)
Professor of Chemistry

HEMLER, DEBRA A. (2000)
Coordinator of Geoscience
Professor of Geoscience
Graduate Faculty

HUGGINS, PAMELA A. (2002)
Associate Professor of Biology

MAGRO, ALBERT (1992)
Professor/Senior Level: Biology

MORRIS, TONY E. (1994)
Professor of Biology

RAOL, MARCIE (2013)
Temporary Assistant Professor of Geoscience Education

ROOF, STEVEN K. (1994)
Professor of Biology

SCANLON, MATTHEW (1991)
Professor of Chemistry

TRISEL, DONALD E. (1995)
Professor of Biology

WEEKLEY, JAMES (2005)
Instructor of Chemistry

YEAGER, PHILLIP E. (1999)
Professor of Biology

PRE-DENTAL CURRICULUM

Students planning to study dentistry should complete basic science courses as well as a broad range of general education courses with better than a "B" average.

The School of Dentistry at West Virginia University requires applicants to have completed three or more academic years of work (90 semester hours) in the liberal arts, including the following specific course requirements:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II.....	8
CHEM	1105, 2200	CHEMICAL PRINCIPLES , FOUNDATIONAL BIOCHEMISTRY.....	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II.....	8
ENGL	1104, 1108	WRITTEN ENGLISH I, II.....	6
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II.....	8

Courses in the humanities, social sciences, and advanced courses in biology are also suggested in order to acquire a broadened intellectual background.

PRE-MEDICAL CURRICULUM

Students planning to study medicine or veterinary medicine should complete basic science courses as well as a broad range of general education courses with better than a "B" average. Students should carefully consult the catalog of the professional school that they plan to attend. At West Virginia University, the School of Medicine requires a minimum of 90 semester hours of undergraduate work (excluding physical education and ROTC courses) for admission. Pre-medical students should work towards fulfilling the requirements for the bachelor's degree in biology, chemistry, or forensic science. Students selecting other majors will still need to complete the minimum course requirements shown below.

The following courses will meet the minimum requirements for admission to the School of Medicine at West Virginia University:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II.....	8
CHEM	1105, 2200	CHEMICAL PRINCIPLES , FOUNDATIONAL BIOCHEMISTRY.....	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II.....	8
ENGL	1104, 1108	WRITTEN ENGLISH I, II.....	6
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II.....	8

Six hours of coursework in social or behavioral science is also required, but no particular courses are specified. Additional courses in the humanities, social sciences, and advanced courses in biology are suggested in order to acquire a broadened intellectual background.

PRE-MEDICAL TECHNOLOGY CURRICULUM

Medical Technology is a four-year undergraduate program. The first two years may be taken at Fairmont State University. The entrance requirements of schools of medical technology throughout the nation vary considerably; students should carefully consult the catalog of the school

that they plan to attend. Students who have completed 60 semester hours, including the following courses, may be eligible for admission to the third year of the medical technology program at West Virginia University.

ENGL	1104, 1108	WRITTEN ENGLISH I, II.....	6
BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II.....	8
CHEM	1105, 2200	CHEMICAL PRINCIPLES , FOUNDATIONAL BIOCHEMISTRY.....	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II.....	8
MATH	1112	COLLEGE ALGEBRA.....	3
MATH	1113	APPLIED STATISTICS.....	4

The other classes should total 21 to 24 hours of core classes. Courses such as microbiology, biochemistry and anatomy should not be taken prior to enrollment in the medical technology program.

Graduates of the Associate of Applied Science degree program in Medical Laboratory Technology (MLT) offered through Pierpont State Community and Technology College are eligible to apply for admission into the WVU Medical Technology (MT) Program. Several courses are waived from the traditional WVU MT Program for Fairmont State University MLT graduates.

PRE-PHARMACY CURRICULUM

Many schools of pharmacy offer a doctorate of pharmacy that requires six years of study beyond high school, two years of pre-pharmacy and four years of study in a professional school of pharmacy. Prospective pharmacy students should plan their programs to meet the requirements of the particular professional school of pharmacy to which they plan to transfer. The following two-year preparatory program is suggested for students applying to the WVU School of Pharmacy and Marshall University School of Pharmacy. Elective slots in the model schedule should be filled with courses that satisfy required general education credits at the pharmacy school. Students without the necessary prerequisites for calculus will be required to take MATH 1115 or 1112 and 1115. The pre-pharmacy advisor should be consulted prior to scheduling each semester.

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II.....	8
BIOL	2205	TECHNICAL MICROBIOLOGY.....	4
CHEM	1105, 2200	CHEMICAL PRINCIPLES , FOUNDATIONAL BIOCHEMISTRY.....	9
CHEM	2201, 2202	ORGANIC CHEMISTRY I, II.....	8
BSBA	2200	ECONOMICS.....	3
-OR-			
BSBA	2211, 2212	ECONOMIC PRINCIPLES AND PROBLEMS I, II.....	6
ENGL	1104, 1108	WRITTEN ENGLISH I, II.....	6
MATH	1113	APPLIED STATISTICS.....	4
-OR-			
BSBA	3310	BUSINESS AND ECONOMICS STATISTICS.....	3
MATH	1185	APPLIED CALCULUS.....	4
-OR-			
MATH	1190	CALCULUS I.....	4
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II.....	8
COMM	2200	INTRODUCTION TO HUMAN COMMUNICATION.....	3

PRE-PHYSICAL THERAPY CURRICULUM

This curriculum is designed to satisfy the course requirements for admission to the professional portion of the curriculum in physical therapy offered by the West Virginia University (WVU) School of Medicine. Fairmont State University (FSU) students must select a major and complete a bachelor's degree prior to application for WVU's Doctorate of Physical Therapy (DPT) program. All applicants to the DPT program are required to have a bachelor's degree before admission. Information on prerequisite equivalent coursework is provided below. Degrees in biology, chemistry and forensic science meet many of these prerequisites. Applicants with degrees in any area (i.e. exercise science, philosophy, psychology, etc.) are encouraged to apply, as long as the equivalent prerequisite coursework has been completed. A course in medical terminology, such as HLCA 1100, is recommended, but not required.

Students interested in admission to a physical therapy program at an institution other than WVU should consult with the pre-physical therapy advisor for assistance in getting the information about the course requirements at the other institution.

• DPT prerequisite course requirements:

BIOL	1105, 1106	BIOLOGICAL PRINCIPLES I, II.....	8
CHEM	1105, 2200	CHEMICAL PRINCIPLES , FOUNDATIONAL BIOCHEMISTRY	9
MATH	1113	APPLIED STATISTICS.....	4
	-OR-		
BSBA	3310	BUSINESS AND ECONOMICS STATISTICS.....	3
PHYS	1101, 1102	INTRODUCTION TO PHYSICS I, II.....	8
PSYC	1101	INTRODUCTION TO PSYCHOLOGY I.....	3
PSYC	3330	DEVELOPMENTAL PSYCHOLOGY	3
ATTR*	219	HUMAN ANATOMY (RECOMMENDED)	
	-OR-		
NBAN**	205	HUMAN ANATOMY.....	3
PSIO***	441	HUMAN PHYSIOLOGY (RECOMMENDED).....	4
	-OR -		
PSIO***	241	.....	4
	-OR-		
BIOL***	235	.....	4

* must take the WVU course; contact WVU Dept. of Anatomy
 **this course available on the web; must take the WVU course; contact WVU Department of Anatomy
 ***must take the WVU course; contact WVU Dept. of Physiology
 ****this course is available on the web via the WVU Department of Physiology

BIOLOGY

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 program at FSU 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 pre-professional 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, 1106, 2202, and 2203
- 2) successfully complete an assessment exam during their final year (This exam is given every spring semester.)

BACHELOR OF SCIENCE IN BIOLOGY 120 SEM. HRS.
 Biology Curriculum (see below) 58 SEM. HRS.
 No Minor Required
 General Studies Requirements..... 35 SEM. HRS.
 (See "Degree Requirements" for General Studies requirements not completed through the major)
 Free Electives..... 27 SEM. HRS.

- Biology Curriculum..... 58 SEM. HRS.

Required courses (46 hrs)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY	4
BIOL	2203	GENERAL ZOOLOGY	4
BIOL	3306	FUNDAMENTALS OF ECOLOGY.....	4
BIOL	3368	ANIMAL PHYSIOLOGY	4
	-OR-		
BIOL	3370	PLANT PHYSIOLOGY	4
BIOL	3380	GENETICS	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY.....	4
BIOL	4485	SENIOR SEMINAR	2
CHEM	1105	CHEMICAL PRINCIPLES	5
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4

- Biology Electives..... 12 SEM. HRS.

BIOL	2224	MICROBIOLOGY.....	4
BIOL	3312	ADVANCED BOTANY	4
BIOL	3315	INVERTEBRATE ZOOLOGY.....	4
BIOL	3316	VERTEBRATE ZOOLOGY	4
BIOL	3330	AQUATIC ECOLOGY	4
BIOL	3331	TERRESTRIAL ECOLOGY.....	4
BIOL	3360	BIOCHEMISTRY	4
BIOL	4420	DEVELOPMENTAL BIOLOGY	4

- General Studies Courses..... 4 SEM. HRS.

Required for this major (4 hrs.)

MATH	1185	APPLIED CALCULUS I.....	4
-OR-			
MATH	1190	CALCULUS I	4

- Additional requirements for Biotechnology Emphasis..... 25-27 SEM. HRS.

BIOL	3360	BIOCHEMISTRY	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	3301	PHYSICAL CHEMISTRY	4
CHEM	3315	INSTRUMENTAL ANALYSIS.....	4
MATH	1113	APPLIED STATISTICS.....	4
PHYS	1101/02	INTRO TO PHYSICS I, II	8
-OR -			
PHYS	1105/06	PRINCIPLES OF PHYSICS I, II.....	10

MINOR IN BIOLOGY 24 SEM. HRS.

Required courses (16 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I.....	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY.....	4
BIOL	2203	GENERAL ZOOLOGY	4

Electives (8 hrs.)
Students may choose from any biology course of level 1199 or higher.

**BACHELOR OF ARTS IN EDUCATION:
SPECIALIZATION IN BIOLOGY**

GRADES 9-ADULT 120 SEM. HRS.

Biology Curriculum (see below)	49 SEM. HRS.
General Studies requirements	30 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Free Electives.....	2 SEM. HRS.

No Minor Required
(See "Degree Requirements" for General Studies requirements not completed through the major)

- Biology Curriculum..... 49 SEM. HRS.

Required courses (49 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I.....	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	2202	GENERAL BOTANY	4
BIOL	2203	GENERAL ZOOLOGY	4
BIOL	3306	FUNDAMENTALS OF ECOLOGY.....	4
BIOL	3380	GENETICS	4
CHEM	1105	CHEMICAL PRINCIPLES	5
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4

GEOL	1102	HISTORICAL GEOLOGY	4
MATH	1115	TRIGONOMETRY	3
-OR-			
MATH	1102	APPLIED TECHNICAL MATHEMATICS II	3
PHYS	1101	INTRODUCTION TO PHYSICS I.....	4
PHSC	4430	SCIENCE INTEGRATION SEMINAR	1
PHSC	4431	METHODS AND MATERIALS IN TEACHING SCIENCE.....	3
SCIE	1120	METEOROLOGY	4

- Professional Education 39 SEM. HRS.

EDUC	2200	INTRO TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC	2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC	2260	INSTRUCTIONAL DESIGN I.....	3
EDUC	2265	FIELD EXPERIENCE 2.....	1
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3340	INSTRUCTIONAL DESIGN II.....	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3365	FIELD EXPERIENCE 3.....	2
EDUC	4485	ACTION RESEARCH.....	1
EDUC	4486	PORTFOLIO	1
EDUC	4496	SECONDARY STUDENT TEACHING	10

- General Studies Requirements 30 SEM. HRS.

Attribute IA – Critical Analysis	
ENGL 1108 (required)	3
Attribute IB – Quantitative Literacy	
MATH 1115.....	3
Attribute IC – Written Communication	
ENGL 1104 (required).....	3
Attribute ID - Teamwork	
COMM 2200 or any other ID	3
Attribute IE – Information Literacy	
EDUC 2201	X
Attribute IF – Technology Literacy	
EDUC 2201	X
Attribute IG – Oral Communication	
COMM 2200 or any other IG	X
Attribute III - Citizenship	
POLI 1103 or any other III.....	3
Attribute IV - Ethics	
ENGL 2220 or any course in IV	3
Attribute V - Health	
Any course in V.....	3
Attribute VI - Interdisciplinary	
POLI 1103	X
Attribute VIIA - Arts	
Any course or combination of courses in VIIA.....	3
Attribute VIIB - Humanities	
ENGL 2220 or any other course in VIIB.....	X
Attribute VIIC – Social Sciences	
GEOG 2210 or any other course in VIIC.....	3
Attribute VIID - Natural Science	
CHEM 1105 (SATISFIED IN MAJOR)	X
Attribute VIII – Cultural Awareness	
any course in VIII	3
Additional General Studies hours	
CHEM 3301, EDUC 3331, EDUC 3351(SATISFIED IN MAJOR)	X
(WRITING INTENSIVE COURSES)	

CHEMISTRY

The chemistry program's mission is to help students gain a fundamental knowledge of modern chemistry, including the ability to apply computers, mathematics, biology and physics to the field. 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.S. in Chemistry with an emphasis in biotechnology provides chemistry majors with an additional grounding in biology and prepares students for professional schools and graduate study in forensic science and pharmaceutical sciences.
- 3) 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.

BACHELOR OF SCIENCE

IN CHEMISTRY 120 SEM. HRS.

Chemistry Curriculum (see below)* 57-59 SEM. HRS.
 General Studies Requirements 42-45 SEM. HRS.
 Free Electives* 16-21 SEM. HRS.
 No Minor Required

*Choosing higher-credit hour alternatives in the major curriculum reduces the minimum number of free elective credit hours required to reach 120 semester hours.

- Chemistry Curriculum 57-59 SEM. HRS.

Required courses (57-59 hrs.)

CHEM 1105	CHEMICAL PRINCIPLES	.....5
CHEM 2200	FOUNDATIONAL BIOCHEMISTRY	.....4
CHEM 2201	ORGANIC CHEMISTRY I	.....4
CHEM 2202	ORGANIC CHEMISTRY II	.....4
CHEM 2205	ANALYTICAL CHEMISTRY	.....4
CHEM 3315	INSTRUMENTAL ANALYSIS	.....4

CHEM 3301	PHYSICAL CHEMISTRY I	.....4
CHEM 3304	INORGANIC CHEMISTRY	.....4
CHEM 4404	SYNTHETIC METHODS AND MATERIALS	.....4
CHEM 4412	PHYSICAL CHEMISTRY II	.....4
BIOL 3360	BIOCHEMISTRY	.....4
PHYS 1101	INTRODUCTION TO PHYSICS I	.....*4
-OR-		
PHYS 1105	PRINCIPLES OF PHYSICS I	.....*5
PHYS 1102	INTRODUCTION TO PHYSICS II	.....4
-OR-		
PHYS 1106	PRINCIPLES OF PHYSICS II	.....*5
MATH**1185	APPLIED CALCULUS I	.....**4
-OR-		
MATH**1190	CALCULUS I	.....**4
MATH 1186	APPLIED CALCULUS II	.....*4
-OR-		
MATH 3315	CALCULUS II	.....4

*Note: MATH 1185 (or MATH 1190) is required for the chemistry major; the hours for this course are counted under General Studies requirements, Attribute IB.

** Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115.

- Additional requirements for Biotechnology Emphasis 19 SEM. HRS.

BIOL 1105	BIOLOGICAL PRINCIPLES I	.....4
BIOL 1106	BIOLOGICAL PRINCIPLES II	.....4
BIOL 3380	GENETICS	.....4
BIOL 3390	MOLECULAR BIOTECHNOLOGY	.....4
MATH 1113	APPLIED STATISTICS	.....3
- General Studies Requirements 42-45 SEM. HRS.

Attribute IA – Critical Analysis		
ENGL 2220 or any other in IA	.....	3
Attribute IB – Quantitative Literacy		
MATH 1185/90	.....	4
Attribute IC – Written Communication		
ENGL 1104 (students exempt from ENGL 1104 consult academic advisor)	.....	3
Attribute ID - Teamwork		
CHEM 4412 (SATISFIED IN MAJOR)	.....	X
Attribute IE – Information Literacy		
ENGL 1108	.....	3
Attribute IF – Technology Literacy		
BISM 1200 or any other in IF except ENGL 1109	.....	3
Attribute IG – Oral Communication		
COMM 2200 or 2201 or 2202	.....	3
Attribute III - Citizenship		
Any course in III	.....	3
Attribute IV - Ethics		
ENGL 2220 or any course in IV	.....	3
Attribute V - Health		
PHED 1100 or any other course in V	.....	2-5
Attribute VI - Interdisciplinary		
Any course in VI	.....	3
Attribute VIIA - Arts		
Any course or combination of courses in VIIA	.....	3
Attribute VIIB - Humanities		
HIST 1107/08 or any other course in VIIB	.....	3
Attribute VIIC – Social Sciences		
GEOG 2210 or any other course in VIIC	.....	3
Attribute VIID - Natural Science		
CHEM 1105 (SATISFIED IN MAJOR)	.....	X
Attribute VIII – Cultural Awareness		
GEOG 2210 or any course in VIII	.....	3

Additional General Studies hours

CHEM 3301 (SATISFIED IN MAJOR)X
(WRITING INTENSIVE COURSE)

***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), Applied Calculus I (ACT Math 24) 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 COMPASS score equivalents.

MINOR IN CHEMISTRY21 SEM. HRS

Required courses (9 hrs.)

CHEM 1105 CHEMICAL PRINCIPLES5
CHEM 2200 FOUNDATIONAL BIOCHEMISTRY4

Minor Electives (12 hrs.)

Any three additional courses with CHEM prefix except CHEM 1101, CHEM 1102, or CHEM 2225.

**BACHELOR OF ARTS IN EDUCATION:
SPECIALIZATION IN CHEMISTRY****GRADES 9-ADULT**120 SEM. HRS.

Chemistry Curriculum (see below) 45-47 SEM. HRS. *
General Studies Requirements30 SEM. HRS.
Professional Education Courses39 SEM. HRS.
Free Electives..... 4-6 SEM. HRS. *
No Minor Required

(See "Degree Requirements" for General Studies requirements not completed through the major)

*Choosing higher-credit hour alternatives in the chemistry curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.

- Chemistry Curriculum 45-47 SEM. HRS.

Required courses (45-47 hrs.)

BIOL 1105 PRINCIPLES OF BIOLOGY I4
CHEM 1105 CHEMICAL PRINCIPLES5
CHEM 2200 FOUNDATIONAL BIOCHEMISTRY4
CHEM 2201 ORGANIC CHEMISTRY I4
CHEM 3301 PHYSICAL CHEMISTRY I4
CHEM 3304 INORGANIC CHEMISTRY.....4
GEOL 1101 PHYSICAL GEOLOGY.....4
MATH**1185 APPLIED CALCULUS I4
-OR-
MATH**1190 CALCULUS I4
PHSC 4430 INTEGRATED SCIENCE SEMINAR1
PHSC 4431 METHODS AND MATERIALS IN TEACHING SCIENCE.....3
PHYS 1101/02 INTRODUCTION TO PHYSICS I, II 8
-OR-
PHYS 1105/06 PRINCIPLES OF PHYSICS I, II.....10

**Students who do not meet the prerequisites for MATH 1185 or 1190 will be required to take MATH 1112 and/or MATH 1115.

All courses in the specialization must be completed prior to admission to Secondary Student Teaching/Clinical III.

- Professional Education39 SEM. HRS.

EDUC 2200 INTRO TO EDUCATION3
EDUC 2201 INSTRUCTIONAL TECHNOLOGY3
EDUC 2203 HUMAN DEVELOPMENT, LEARNING & TEACHING.....3
EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS3
EDUC 2260 INSTRUCTIONAL DESIGN I3
EDUC 2265 FIELD EXPERIENCE 21
EDUC 3331 READING IN THE CONTENT AREAS3
EDUC 3340 INSTRUCTIONAL DESIGN II3
EDUC 3351 INCLUSIVE CLASSROOM PRACTICES3
EDUC 3365 FIELD EXPERIENCE 32
EDUC 4485 ACTION RESEARCH.....1
EDUC 4486 PORTFOLIO1
EDUC 4496 SECONDARY STUDENT TEACHING10

- General Studies Requirements30 SEM. HRS.

Attribute IA – Critical Analysis
ENGL 1108 (required)3
Attribute IB – Quantitative Literacy
MATH 1185 or 11904
Attribute IC – Written Communication
ENGL 1104 (required)3
Attribute ID - Teamwork
COMM 2200 or any other ID3
Attribute IE – Information Literacy
ENGL 1108 X
Attribute IF – Technology Literacy
EDUC 2201X
Attribute IG – Oral Communication
COMM 2200 or any other IGX
Attribute III - Citizenship
POLI 1103 or any other III3
Attribute IV - Ethics
ENGL 2220 or any course in IV3
Attribute V - Health
any course in V2
Attribute VI - Interdisciplinary
POLI 1103X
Attribute VIIA - Arts
Any course or combination of courses in VIIA.....3
Attribute VIIB - Humanities
ENGL 2220 or any other course in VIIB.....X
Attribute VIIC – Social Sciences
GEOG 2210 or any other course in VIIC.....3
Attribute VIID - Natural Science
CHEM 1105 (SATISFIED IN MAJOR)X
Attribute VIII – Cultural Awareness
any course in VIII3
Additional General Studies hours
EDUC 3331, EDUC 3351 (SATISFIED IN MAJOR)X
(WRITING INTENSIVE COURSES)

FORENSICS

The Forensics degree consists of a Forensic Science major that includes biology, chemistry, criminal justice, mathematics, physics and interdisciplinary courses, and prepares 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 General Studies requirements as described in

the Degree Requirements chapter of this catalog. 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 General Studies 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 science reasoning score of 21 or better, 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.

BACHELOR OF SCIENCE IN FORENSICS 120 SEM. HRS.
 Forensic Science Curriculum (see below)* ..72 SEM. HRS.
 General Studies Requirements (includes specific courses required for the major)..... 39-41 SEM. HRS.
 Electives* 7-9 SEM. HRS.
 No Minor Required

*Choosing higher-credit hour alternatives in the major curriculum reduces the minimum number of free elective credit hours required to reach 128 semester hours.

• **Forensic Science Curriculum**64 SEM. HRS.

Required Courses (72 hrs.)

BIOL	1106	BIOLOGICAL PRINCIPLES II	4
BIOL	3360	BIOCHEMISTRY	4
BIOL	3380	GENETICS	4
BIOL	3390	MOLECULAR BIOTECHNOLOGY	4
BIOL	4495	PROBLEMS IN BIOLOGICAL SCIENCE	2
-OR-			
CHEM	4403	INDEPENDENT RESEARCH	2
CHEM	1105	CHEMICAL PRINCIPLES	5
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4
CHEM	2201	ORGANIC CHEMISTRY I	4
CHEM	2202	ORGANIC CHEMISTRY II	4
CHEM	2205	ANALYTICAL CHEMISTRY	4
CHEM	3315	INSTRUMENTAL ANALYSIS	4
CRIM	1100	INTRODUCTION TO CRIMINAL JUSTICE	3
CRIM	2226	CRIME SCENE INVESTIGATION	3
FORS	2201	INTRODUCTION TO FORENSIC SCIENCE	4
FORS	2225	FORENSIC MICROBIOLOGY AND SPECTROSCOPY	3
FORS	4401	CAPSTONE SEMINAR IN FORENSIC SCIENCE	3
FORS	4411	FORENSIC SCIENCE INTERNSHIP	2
MATH	1113	APPLIED STATISTICS	4

Specialization Electives Choose 8 of the following:

BIOL	2224	MICROBIOLOGY	4
BIOL	4420	DEVELOPMENTAL BIOLOGY	4
CHEM	3301	PHYSICAL CHEMISTRY I	4
CHEM	3304	INORGANIC CHEMISTRY I	4
CHEM	4404	SYNTHETIC METHODS AND MATERIALS	4
CHEM	4412	PHYSICAL CHEMISTRY II	4

• **General Studies Requirements** 39-41 SEM. HRS.

Attribute IA – Critical Analysis	3
ENGL 1108	
Attribute IB – Quantitative Literacy	4
MATH 1185 or 1190	
Attribute IC – Written Communication	3
ENGL 1104	
Attribute ID – Teamwork	3
CRIM 2295	
Attribute IE – Information Literacy	3
ENGL 1108	
Attribute IF – Technology Literacy	3
TECH 1100	
Attribute IG – Oral Communication	3
COMM 2200	
Attribute III – Citizenship	3
POLI 1103	
Attribute IV – Ethics	X
Met in Attribute IG with COMM 2200	
Attribute V – Health	3
CRIM 2212	
Attribute VI – Interdisciplinary	X
Met in Attribute III with POLI 1103	
Attribute VIIA – Arts	3
INTR 1120	
Attribute VIIB – Humanities	X
Met in Attribute VIIA with INTR 1120	
Attribute VIIC – Social Sciences	X
Met in Attribute V with CRIM 2212	
Attribute VIID – Natural Science	4-5
PHYS 1101 or 1105	
Attribute VIII – Cultural Awareness	3
Any course listed in VIII	
Additional General Studies Hours	4-5
PHYS 1102 and 1106	
Writing Intensive Course met with BIOL 3390 in Major Requirements	

GENERAL SCIENCE (TEACHING SPECIALIZATION ONLY)

A general science specialization for grades 5-adult is offered for the B.A. in Education degree, in conjunction with the School of Education. This specialization is typically chosen to accompany one of the discipline-based science specializations, such as the biology, chemistry or physics specialization.

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN GENERAL SCIENCE

GRADES 5-ADULT 120 SEM. HRS.

General Science Curriculum (see below)48 SEM. HRS.
 General Studies Requirements30 SEM. HRS.
 (See "Degree Requirements" for General Studies requirements not completed through the major)
 Professional Education Courses39 SEM. HRS.
 Free Electives.....3 SEM. HRS.

• **General Science Curriculum**48 SEM. HRS.

Required Courses (48 hrs.)

BIOL	1105	BIOLOGICAL PRINCIPLES I	4
BIOL	1106	BIOLOGICAL PRINCIPLES II	4
CHEM	1105	CHEMICAL PRINCIPLES	5
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4
GEOL	1101	PHYSICAL GEOLOGY	4

GEOL 1102	HISTORICAL GEOLOGY	4
MATH 1115	TRIGONOMETRY & ELEMENTARY FUNCTIONS	3
PHYS 1101	INTRODUCTION TO PHYSICS I	4
PHYS 1102	INTRODUCTION TO PHYSICS II	4
PHYS 2202	ASTRONOMY	3
PHSC 4430	SCIENCE INTEGRATION SEMINAR	1
PHSC 4431	METHODS AND MATERIALS IN TEACHING SCIENCE	3
SCIE 1120	INTRODUCTION TO METEOROLOGY	4

*All courses must be completed prior to admission to Secondary Student Teaching/Clinical III.

• Professional Education39 SEM. HRS.

EDUC 2200	INTRO TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3	2
EDUC 4485	ACTION RESEARCH	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

• General Studies Requirements30 SEM. HRS.

Attribute IA – Critical Analysis		
ENGL 1108 (required)		3
Attribute IB – Quantitative Literacy		
MATH 1115		3
Attribute IC – Written Communication		
ENGL 1104 (required)		3
Attribute ID – Teamwork		
COMM 2200 or any other ID		3
Attribute IE – Information Literacy		
ENGL 1108		X
Attribute IF – Technology Literacy		
EDUC 2201		X
Attribute IG – Oral Communication		
COMM 2200 or any other IG		X
Attribute III - Citizenship		
POLI 1103 or any other III		3
Attribute IV - Ethics		
ENGL 2220 or any course in IV		3
Attribute V - Health		
Any course in V		3
Attribute VI - Interdisciplinary		
POLI 1103		X
Attribute VIIA - Arts		
Any course or combination of courses in VIIA		3
Attribute VIIB - Humanities		
ENGL 2220 or any other course in VIIB		X
Attribute VIIC – Social Sciences		
GEOG 2210 or any other course in VIIC		3
Attribute VIID - Natural Science		
CHEM 1105 (SATISFIED IN MAJOR)		X
Attribute VIII – Cultural Awareness		
Any course in VIII		3
Additional General Studies hours		
EDUC 3331, EDUC 3351(SATISFIED IN MAJOR) (WRITING INTENSIVE COURSES)		X

GEOLOGY

Geology is offered as a fulfillment of the General Studies requirement and as an integral part of various science-oriented teaching fields.

Department of Computer Science, Mathematics, and Physics

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FACULTY

BAKER, RANDALL (1986)
Assistant Professor of Computer Science

BLACKWOOD, BRIAN (2012)
Assistant Professor of Mathematics

DUNLEVY, JAMES O. (1965-69; 1972)
Associate Professor of Mathematics

GOODWIN, SUSAN (1989)
Professor of Mathematics

HANSEN, GALEN J. (1994)
Professor of Physics

HAYNES, D. STEPHEN (1970)
Professor of Physics

HOSSAIN, MAHMOOD (2006)
Associate Professor of Computer Science

LARUE, A. DENNINE (2006)
Temporary Assistant Professor of Mathematics

LARUE, THEODORE K. (1982)
Assistant Professor of Computer Science

RIESEN, JOSEPH (1992)
Professor of Mathematics
Graduate Faculty

COMPUTER SCIENCE

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 engineers, database designers, security analysts, etc. The Computer Science program at FSU offers two majors: one in Computer Science and one in Computer Security. In addition to receiving the necessary skills in computer science, the students also receive a well-balanced mathematics and general studies curriculum.

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 University 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.

NOTES: It is highly recommended that students attempt to complete COMP 1102, COMP 1108, and MATH 1190 by the end of their freshman year.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

MAJOR IN COMPUTER SCIENCE 120 SEM. HRS.
 Computer Science Curriculum 71 SEM. HRS.
 General Studies Requirements 39-40 SEM. HRS.
 Free Electives..... 9-10 SEM. HRS.

• Computer Science Curriculum.....71 SEM. HRS.

COMP 1100	INTRODUCTION TO COMPUTING.....	3
COMP 1102	PRINCIPLES OF PROGRAMMING I.....	3
COMP 1108	PRINCIPLES OF PROGRAMMING II.....	3
COMP 2200	OBJECT-ORIENTED PROGRAMMING.....	3
COMP 2201	MACHINE ORGANIZATION.....	3
COMP 2230	NETWORK PROGRAMMING.....	3
COMP 2270	DATA STRUCTURES.....	3
COMP 3300	COMPUTER GRAPHICS.....	3
-OR-		
COMP 3310	ARTIFICIAL INTELLIGENCE.....	3
COMP 3330	ANALYSIS OF ALGORITHMS.....	3
COMP 3340	OPERATING SYSTEMS.....	3
COMP 3395	ETHICAL ISSUES IN COMPUTING.....	3
COMP 4400	AUTOMATA AND LANGUAGE DESIGN.....	3
COMP 4410	DATABASE MANAGEMENT.....	3
COMP 4440	SOFTWARE ENGINEERING.....	4
MATH 1170	INTRODUCTION TO MATHEMATICAL ANALYSIS.....	4
MATH 1190	CALCULUS I.....	4
MATH 3315	CALCULUS II.....	4
MATH 2200	MATHEMATICAL LOGIC.....	3
-OR-		
MATH 3362	LINEAR ALGEBRA.....	3
MATH 2216	INTRODUCTION TO DISCRETE MATHEMATICS.....	3
PHYS 1105	PRINCIPLES OF PHYSICS I.....	5
PHYS 1106	PRINCIPLES OF PHYSICS II.....	5

• General Studies Requirements..... 39-40 SEM. HRS.

Attribute IA – Critical Analysis	
ENGL 1108 Written English II.....	3
Attribute IB – Quantitative Literacy	
MATH 1190 Calculus I.....	X
Attribute IC – Written Communication	
ENGL 1104 Written English I.....	3
Attribute ID – Teamwork	
Met in IG with COMM 2200.....	X

Attribute IE – Information Literacy	
Met in IA with ENGL 1108.....	X
Attribute IF – Technology Literacy	
TECH 1100 Technology and Society OR Choice.....	3
Attribute IG – Oral Communication	
COMM 2200 Introduction to Human Communication.....	3
Attribute III – Citizenship	
Any course.....	3
Attribute IV – Ethics	
Any course.....	3
Attribute V – Health	
PHED 1100 Fitness and Wellness OR Choice.....	2-3
Attribute VI – Interdisciplinary	
Any course.....	3
Attribute VIIA – Fine Arts	
Any course.....	3
Attribute VIIB – Humanities	
Any course.....	3
Attribute VIIC – Social Science	
Any course.....	3
Attribute VIID - Natural Science	
Any course except PHYS courses.....	4-5
Attribute VIII – Cultural Awareness	
Any course.....	3

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

MAJOR IN COMPUTER SECURITY 120 SEM. HRS.
 Computer Security Curriculum 65 SEM. HRS.
 General Studies Requirements 39-40 SEM. HRS.
 Free Electives..... 15-16 SEM. HRS.

• Computer Security Curriculum.....65 SEM. HRS.

COMP 1100	INTRODUCTION TO COMPUTING.....	3
COMP 1102	PRINCIPLES OF PROGRAMMING I.....	3
COMP 1108	PRINCIPLES OF PROGRAMMING II.....	3
COMP 2200	OBJECT-ORIENTED PROGRAMMING.....	3
COMP 2201	MACHINE ORGANIZATION.....	3
COMP 2220	FUNDAMENTALS OF COMPUTER SECURITY.....	3
COMP 2230	NETWORK PROGRAMMING.....	3
COMP 2270	DATA STRUCTURES.....	3
COMP 3340	OPERATING SYSTEMS.....	3
COMP 3380	CRYPTOGRAPHY IN COMPUTER SECURITY.....	4
COMP 3390	NETWORK SECURITY TECHNOLOGY.....	4
COMP 3395	ETHICAL ISSUES IN COMPUTING.....	3
COMP 4410	DATABASE MANAGEMENT.....	3
COMP 4415	VULNERABILITY ASSESSMENT.....	4
COMP 4495	COMPUTER SECURITY INTERNSHIP.....	3
INFO 2250	NETWORKING FUNDAMENTALS.....	3
MATH 1170	INTRODUCTION TO MATHEMATICAL ANALYSIS.....	4
MATH 1190	CALCULUS I.....	4
MATH 2200	MATHEMATICAL LOGIC.....	3
MATH 2216	DISCRETE MATHEMATICS.....	3

• General Studies Requirements..... 39-40 SEM. HRS.

Attribute IA – Critical Analysis	
ENGL 1108 Written English II.....	3
Attribute IB – Quantitative Literacy	
MATH 1190 Calculus I.....	X
Attribute IC – Written Communication	
ENGL 1104 Written English I.....	3
Attribute ID – Teamwork	
Met in IG with COMM 2200.....	X
Attribute IE – Information Literacy	
Met in IA with ENGL 1108.....	X
Attribute IF – Technology Literacy	
TECH 1100 Technology and Society OR Choice.....	3

Attribute IG – Oral Communication	
COMM 2200 Introduction to Human Communication	3
Attribute III – Citizenship	
Any course	3
Attribute IV – Ethics	
Any course	3
Attribute V – Health	
PHED 1100 Fitness and Wellness OR Choice	2-3
Attribute VI – Interdisciplinary	
Any course	3
Attribute VIIA – Fine Arts	
Any course	3
Attribute VIIB – Humanities	
Any course	3
Attribute VIIC – Social Science	
Any course	3
Attribute VIID - Natural Science	
Any course except PHYS courses	4-5
Attribute VIII – Cultural Awareness	
Any course	3

MINOR IN COMPUTER SCIENCE 18 SEM. HRS.

Required Courses (9 hrs.)

COMP 1102	PRINCIPLES OF PROGRAMMING I	3
COMP 1108	PRINCIPLES OF PROGRAMMING II	3
COMP 2200	OBJECT-ORIENTED PROGRAMMING.....	3

Electives (9 hrs)

COMP 2201	MACHINE ORGANIZATION	3
COMP 2220	FUNDAMENTALS OF COMPUTER SECURITY	3
COMP 2230	NETWORK PROGRAMMING	3
COMP 2270	DATA STRUCTURES	3
COMP 3300	COMPUTER GRAPHICS	3
COMP 3395	ETHICAL ISSUES IN COMPUTING	3
COMP 4440	SOFTWARE ENGINEERING	4
MATH 2216	INTRODUCTION TO DISCRETE MATHEMATICS.....	3

MATHEMATICS

The mission of the mathematics degree programs is to equip students with analytic and problem solving skills for careers and graduate study.

Classes develop a student’s ability to apply mathematical methods and ideas, not only to problems in mathematics, but also to other fields of study.

Students learn to communicate ideas effectively, assimilate new information, and to be self-reliant learners.

Students are encouraged to develop intellectually and to become involved with professional organizations.

Students interested in mathematics have the option of selecting one of the following degree programs:

- 1) the Bachelor of Science degree in Mathematics, as preparation for immediate employment or for graduate school.
- 2) the 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 1113, 1125, 1190, 3315, 3316, and 2212 are required for both degrees and should be completed early in the program.

- 3) the Mathematics 5-9 teaching specialization can be added to an Elementary Education degree or as a second specialization with a 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.

BACHELOR OF SCIENCE

IN MATHEMATICS 120 SEM. HRS.

Mathematics Curriculum (see below).....	45 SEM. HRS.*
Minor (Required)	18-24 SEM. HRS.
General Studies Requirements	30-32 SEM. HRS.
(See “Degree Requirements” for General Studies requirements not completed through the major)	
Free Electives.....	19-27 SEM. HRS.*

*Choosing higher-credit hour alternatives in the mathematics curriculum reduces the minimum number of free elective credit hours required to reach 120 semester hours.

- Mathematics Curriculum 45 SEM. HRS.

Required Courses (36 hrs.)

MATH 1113	APPLIED STATISTICS.....	3
MATH 1125	MATH REASONING: READING AND WRITING	3
MATH 1190	CALCULUS I	4
MATH 2200	MATHEMATICAL LOGIC	3
MATH 2212	SETS, RELATIONS AND FUNCTIONS.....	3
MATH 3315	CALCULUS II	4
MATH 3316	CALCULUS III	4
MATH 3335	PROBABILITY AND STATISTICS.....	3
MATH 3361	ABSTRACT ALGEBRA.....	3
MATH 3362	LINEAR ALGEBRA.....	3
COMP 1102	PRINCIPLES OF PROGRAMMING I	3

Any one of the following science courses:
(The course hours from this section are counted in General Studies)

CHEM 1101	GENERAL CHEMISTRY I.....	(4)
CHEM 1105	CHEMICAL PRINCIPLES	(5)
PHYS 1101	INTRODUCTION TO PHYSICS I.....	(4)
PHYS 1105	PRINCIPLES OF PHYSICS I	(5)

Math Electives (9 hrs)

(Choose three courses from Groups A and B. At least one course must be chosen from Group A.)

GROUP A:

MATH 3375	TOPOLOGY.....	3
MATH 3391	REAL ANALYSIS.....	3

GROUP B:

MATH 2206	INTRODUCTION TO THE THEORY OF NUMBERS	3
MATH 2216	INTRODUCTION TO DISCRETE MATHEMATICS.....	3
MATH 3342	NUMERICAL ANALYSIS.....	3
MATH 3372	MODERN GEOMETRY	3
MATH 4401	DIFFERENTIAL EQUATIONS	3

MINOR Field of Study (REQUIRED)..... 18-24 credits

MATH 3391	REAL ANALYSIS.....	3
MATH 4401	DIFFERENTIAL EQUATIONS.....	3

• General Studies Requirements..... 30-32 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:		
ENGL 1108* or any course listed in IA.....		3
Attribute IB – Quantitative Literacy:		
MATH 1107 or higher in 1B choices. (Satisfied in Major).....	X	
Attribute IC – Written Communication:		
ENGL 1104* or any course listed in IC.....		3
Attribute ID – Teamwork:		
COMM 2200* or any course listed in ID.....		3
Attribute IE – Information Literacy:		
ENGL 1108* (Satisfied in Attribute in IA) or any course listed in IE...3		
Attribute IF – Technology Literacy:		
Any course in IF.....		3
Attribute IG – Oral Communication:		
COMM 2200* (Satisfied in Attribute 1D). or any course in IG.....	X	
Attribute III – Citizenship:		
POLI 1103* or any course in III.....		3
Attribute IV – Ethics:		
ENGL 2220* or any course in IV.....		3
Attribute V – Health:		
PHED 1100* or any course in V.....		2-3
Attribute VI – Interdisciplinary:		
POLI 1103* (Satisfied in Attribute III) or any course in VI.....	X	
Attribute VIIA – Arts:		
Any course listed in VIIA.....		3
Attribute VIIB – Humanities:		
ENGL 2200* (Satisfied in Attribute IV) or any course listed in VIIB....X		
Attribute VIIIC – Social Sciences:		
GEOG 2210* or any course in VIIIC.....		3
Attribute VIID – Natural Science:		
PHYS 1101, PHYS 1105, CHEM 1101, OR CHEM 1105.....		4-5
Attribute VIII – Cultural Awareness:		
GEOG 2210* (Satisfied in VIIIC) or any course in VIII.....	X	
Additional General Studies Hours:		
MATH 3361 (Satisfied in Major).....	X	
(Writing Intensive Course)		

*Starred courses are recommended choices. Choosing a different course may result in more than 120 hours need to graduate.

MINOR IN MATHEMATICS 24 SEM. HRS.

Required Courses (12 hrs.)

MATH 1190	CALCULUS I.....	4
MATH 3315	CALCULUS II.....	4
MATH 3316	CALCULUS III.....	4

Electives (12 hrs.)

(Choose four courses from the following list with at most one 1000 level course and at least one 3000/4000 course).

MATH 1113	APPLIED STATISTICS.....	3
MATH 1125	MATH REASONING: READING AND WRITING.....	3
MATH 2200	MATHEMATICAL LOGIC.....	3
MATH 2206	INTRODUCTION TO THE THEORY OF NUMBERS.....	3
MATH 2212	SETS, RELATIONS AND FUNCTIONS.....	3
MATH 2216	INTRODUCTION TO DISCRETE MATHEMATICS.....	3
MATH 3335	PROBABILITY AND STATISTICS I.....	3
MATH 3342	NUMERICAL ANALYSIS.....	3
MATH 3361	ABSTRACT ALGEBRA.....	3
MATH 3362	LINEAR ALGEBRA.....	3
MATH 3372	MODERN GEOMETRY.....	3
MATH 3375	TOPOLOGY.....	3

**BACHELOR OF ARTS IN EDUCATION:
SPECIALIZATION IN MATHEMATICS**

GRADES 5-ADULT.....	120 SEM. HRS.
Mathematics Curriculum (see below).....	48 SEM. HRS. *
General Studies Requirements.....	30-32 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Professional Education Courses.....	39 SEM. HRS.
Free Electives *.....	1-3 SEM. HRS.

*Choosing higher-credit hour alternatives in the mathematics curriculum reduces the minimum number of free elective credit hours required to reach 120 semester hours.

• Mathematics Curriculum..... 48 SEM. HRS.

Required Courses (45 hrs.)

MATH 1113	APPLIED STATISTICS.....	3
MATH 1125	MATH REASONING: READING AND WRITING.....	3
MATH 1190	CALCULUS I.....	4
MATH 2200	MATHEMATICAL LOGIC.....	3
MATH 2212	SETS, RELATIONS AND FUNCTIONS.....	3
MATH 2216	INTRODUCTION TO DISCRETE MATHEMATICS.....	3
MATH 3315	CALCULUS II.....	4
MATH 3316	CALCULUS III.....	4
MATH 3335	PROBABILITY AND STATISTICS.....	3
MATH 3361	ABSTRACT ALGEBRA.....	3
MATH 3362	LINEAR ALGEBRA.....	3
MATH 3372	MODERN GEOMETRY.....	3
MATH 4431	METHODS & MATERIALS OF TEACHING MATH.....	3
COMP 1102	PRIN. OF PROGRAMMING I.....	3

Any one of the following science courses:

CHEM 1101	GENERAL CHEMISTRY I.....	4
CHEM 1105	CHEMICAL PRINCIPLES.....	5
PHYS 1101	INTRODUCTION TO PHYSICS I.....	4
PHYS 1105	PRINCIPLES OF PHYSICS I.....	5

Electives (3 hrs.)

(Choose one of the following.)

MATH 3375	TOPOLOGY.....	3
MATH 3391	REAL ANALYSIS.....	3

*All courses must be completed prior to admission to Secondary Student Teaching/Clinical III.

• Professional Education..... 39 SEM. HRS.

EDUC 2200	INTRO TO EDUCATION.....	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY.....	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS.....	3
EDUC 2260	INSTRUCTIONAL DESIGN I.....	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS.....	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES.....	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO.....	1
EDUC 4496	SECONDARY STUDENT TEACHING.....	10

• General Studies Requirements 30-32 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:	
ENGL 1108* or any course listed in IA	3
Attribute IB – Quantitative Literacy:	
MATH 1107 or higher in 1B choices. (Satisfied in Major).....	X
Attribute IC – Written Communication:	
ENGL 1104* or any course listed in IC.....	3
Attribute ID – Teamwork:	
COMM 2200* or any course listed in ID.....	3
Attribute IE – Information Literacy:	
ENGL 1108* (Satisfied in Attribute IA) or any course listed in IE.....	3
Attribute IF – Technology Literacy:	
Any course in IF	3
Attribute IG – Oral Communication:	
COMM 2200* (Satisfied in Attribute 1D). or any course in IG	X
Attribute III – Citizenship:	
POLI 1103* or any course in III.....	3
Attribute IV – Ethics:	
ENGL 2220* or any course in IV	3
Attribute V – Health:	
PHED 1100* or any course in V	2-3
Attribute VI – Interdisciplinary:	
POLI 1103* (Satisfied in Attribute III) or any course in III	X
Attribute VIIA – Arts:	
Any course listed in VIIA.....	3
Attribute VIIB – Humanities:	
ENGL 2200* (Satisfied in Attribute IV) or any course listed in VIIB.....	X
Attribute VIIC – Social Sciences:	
GEOG 2210* or any course in VIIC	3
Attribute VIID – Natural Science:	
PHYS 1101, PHYS 1105, CHEM 1101, OR CHEM 1105.....	4-5
Attribute VIII – Cultural Awareness:	
GEOG 2210* (Satisfied in VIIC) or any course in VIII.....	X
Additional General Studies Hours:	
MATH 3361 (Satisfied in Major).....	X
(Writing Intensive Course)	

*Starred courses are recommended choices. Choosing a different course may result in more than 120 hours need to graduate.

MATHEMATICS TEACHING

SPECIALIZATION, GRADES 5-929 SEM. HRS.

This specialization prepares teacher candidates for general mathematics through Algebra I.

Required courses (31 hrs.)

MATH 1112 COLLEGE ALGEBRA*	3
MATH 1113 APPLIED STATISTICS.....	3
MATH 1115 TRIG. AND ELEMENTARY FUNCTIONS.....	3
MATH 1125 MATH REASONING: READING AND WRITING.....	3
MATH 1185 APPLIED CALCULUS I.....	4
MATH 2216 INTRODUCTION TO DISCRETE MATHEMATICS.....	3
MATH 2251 STRUCTURE OF THE REAL NUMBERS.....	3
MATH 2252 DATA ANALYSIS AND GEOMETRY	3
MATH 3353 MATH METHODS FOR ELEMENTARY TEACHERS.....	3
MATH* 4431 METHODS & MATERIALS IN TEACHING MATH.....	3

* omit if Math ACT greater than or equal to 23

PHYSICS (MINOR ONLY)

The physics program provides students in science, mathematics, technology, secondary education and various pre-professional programs with an understanding of fundamental concepts and principles that govern the physical universe. Physics students utilize mathematical methods, observation and critical reasoning to describe and analyze relationships between properties of matter and the interactions that cause things to change. The physics program's goal is to provide an environment for the development and application of analytic and problem-solving skills needed for careers and graduate study. Students may earn a minor in physics that complements majors in science, math, computer science and technology. A physics single specialization for grades 9-adult (see below) and a general science specialization (see Department of Biology, Chemistry and Geoscience) for grades 5-adult are also offered for the B.A. in Education degree, in conjunction with the School of Education. The Physics single specialization is a mostly on-line set of courses, making the program easier for nontraditional students or for professionals who need to add a physics specialization.

MINOR IN PHYSICS30 SEM. HRS.

Required courses (30 hrs.)

PHYS* 1101/02 INTRODUCTION TO PHYSICS I, II	8
PHYS 3310 ELECTRICITY AND ELECTRONICS	4
PHYS 3325 ADVANCED PHYSICS I.....	4
PHYS 3335 ADVANCED PHYSICS II.....	4
PHYS 3340 SPECIAL PROBLEMS.....	2
MATH 1185 APPLIED CALCULUS I	4
-OR-	
MATH 1190 CALCULUS I	4
-OR-	
TECH 2290 ENGINEERING ANALYSIS I.....	4
MATH 1186 APPLIED CALCULUS II.....	4
-OR-	
MATH 3315 CALCULUS II	4
-OR-	
TECH 3300 ENGINEERING ANALYSIS II.....	4

*PHYS 1105/06 is strongly recommended in place of 1101/02, but not required.

BACHELOR OF ARTS IN EDUCATION: SPECIALIZATION IN PHYSICS

GRADES 9-ADULT 120 SEM. HRS.

Physics Curriculum (see below)*	45-48 SEM. HRS.
General Studies Requirements	30 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major).	
Professional Education Courses	39 SEM. HRS.
Free Electives*	3-6 SEM. HRS.

*Choosing higher-credit hour alternatives in the physics curriculum reduces the minimum number of free elective credit hours required to reach 120 semester hours.

• Physics Curriculum 45-48 SEM. HRS.

Required courses (45-48 hrs.)
(the above number includes courses included as directed
General Studies courses)

BIOL	1105	PRINCIPLES OF BIOLOGY I.....	4
CHEM	1105/2200	CHEMICAL PRINCIPLES/ FOUND. BIOCHEMISTRY ..	9
-OR-			
CHEM	1101/1102	GENERAL CHEMISTRY I, II.....	8
MATH	3315	CALCULUS II	4
-OR-			
MATH	1186	APPLIED CALCULUS II	
-OR-			
TECH	3300	ENGINEERING ANALYSIS	
PHSC	4430	SCIENCE INTEGRATION SEMINAR	1
PHSC	4431	METHODS & MATERIALS IN TEACHING SCIENCE	3
PHYS	1101/1102	INTRODUCTION TO PHYSICS I, II	8
-OR-			
PHYS	1105/1106	PRINCIPLES OF PHYSICS I, II.....	10
PHYS	2202	ASTRONOMY	3
PHYS	3211/3212	INTERMEDIATE PHYSICS IA, IB	6
PHYS	3221/3222	INTERMEDIATE PHYSICS IIA, IIB.....	6
PHYS	3230	INTERMEDIATE PHYSICS LABORATORY	2

NOTE: Additional required science and math courses are included as directed General Studies credits. These include an additional 4-sem.hrs of math and 8-sm.hrs. of chemistry

All courses must be completed prior to admission to Secondary Student Teaching/Clinical III. Chemistry 1105/06 is strongly recommended in place of 1101/02, but not required.

• Professional Education39 SEM. HRS.

EDUC	2200	INTRO TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC	2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC	2260	INSTRUCTIONAL DESIGN I.....	3
EDUC	2265	FIELD EXPERIENCE 2.....	1
EDUC	3331	READING IN THE CONTENT AREAS.....	3
EDUC	3340	INSTRUCTIONAL DESIGN II.....	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3365	FIELD EXPERIENCE 3.....	2
EDUC	4485	ACTION RESEARCH.....	1
EDUC	4486	PORTFOLIO	1
EDUC	4496	SECONDARY STUDENT TEACHING.....	10

• General Studies Requirements.....30 SEM. HRS.

Attribute IA – Critical Analysis			
ENGL 1108 (required).....			3
Attribute IB – Quantitative Literacy			
MATH 1185 or 1190			4
Attribute IC – Written Communication			
ENGL 1104 (required).....			3
Attribute ID - Teamwork			
COMM 2200 or any other course in ID			3
Attribute IE – Information Literacy			
ENGL 1108 or any other course in IE.....			X
Attribute IF – Technology Literacy			
EDUC 2201			X
Attribute IG – Oral Communication			
COMM 2200 or any other course in IG.....			X
Attribute III - Citizenship			
POLI 1103 or any other course in III.....			3
Attribute IV - Ethics			
ENGL 2220 or any other course in IV.....			3

Attribute V - Health			
any course in V			2
Attribute VI - Interdisciplinary			
POLI 1103			X
Attribute VIIA - Arts			
Any course or combination of courses in VIIA.....			3
Attribute VIIB - Humanities			
ENGL 2220 or any other course in VIIB.....			X
Attribute VIIC – Social Sciences			
GEOG 2210 or any other course in VIIC.....			3
Attribute VIID - Natural Science			
CHEM 1101 or CHEM 1105 (SATISFIED IN MAJOR)			X
Attribute VIII – Cultural Awareness			
any course in VIII			3
Additional General Studies hours			
EDUC 3331, EDUC 3351 (SATISFIED IN MAJOR).....			X
(WRITING INTENSIVE COURSES)			

Department of Technology

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FACULTY

BOLYARD, JASON (2007)
Assistant Professor of Mechanical Engineering
Technology

COMO, TIA M., P.E. (1998)
Professor of Architecture/Civil Engineering Technology

COSTELLO, HUGH M., P.E. (2009)
Assistant Professor of Mechanical
Engineering Technology

FREEMAN, PHILIP M. AIA (2003)
Associate Professor of Architecture

GILBERTI, ANTHONY F., DTE (2007)
Professor of Technology Education
Graduate Faculty

MORPHEW, KIRK L. (2000)
Associate Professor of Architecture

MURPHY, KIMBERLY, CSHM, CSP (1991)
Associate Professor of Occupational Safety

VASSIL, JAMES E., E.I. (2002)
Associate Professor of Civil Engineering Technology

WOLF, MARK (2011)
Temporary Assistant Professor of Technology Education

ZICKEFOOSE, GARY, P.E. (1984)
Associate Professor of Civil Engineering Technology

AVIATION TECHNOLOGY

The Bachelor of Science in Aviation Technology is offered to students whose career objective is the management and operation of airside activities in the aviation industry. The program provides the graduate with technical competence in an aviation-related career as well as the skills needed to assume supervisory responsibilities. There are several areas of specialization in this degree: Aviation Administration (which has a focus on management), Aviation Administration with a Flight option, and Aviation Maintenance Management. All Aviation Technology students are required to take the Aviation Common Core requirements listed below.

- Aviation Common Core27 SEM. HRS.

AVMA 3301	AVIATION HISTORY	.....3
AVMA 3302	AVIATION LAW	.....3
AVMA 3303	AIRLINE OPERATIONS	.....3
AVMA 3304	AVIATION MAINTENANCE MANAGEMENT	.....3
AVMA 3305	GENERAL AVIATION OPERATIONS	.....3
AVMA 3307	AVIATION SAFETY	.....3
AVMA 4402	FISCAL ASPECTS OF AVIATION MANAGEMENT	.....3
BSBA 2209	PRINCIPLES OF MANAGEMENT	.....3
MGMT 3390	ORGANIZATIONAL BEHAVIOR	.....3

AVIATION ADMINISTRATION	.....120 SEM. HRS.
Aviation Common Core	.....27 SEM. HRS.
Aviation Admin. Curriculum (see below)	.....39 SEM. HRS.
General Studies Requirements	.....39-41 SEM. HRS.
Free Electives	.....13-15 SEM. HRS.

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 details below.

- Aviation Administration Curriculum.....33 SEM. HRS.

Required Courses (39 hrs.)

BSBA 2201	PRINCIPLES OF ACCOUNTING	.....3
AVMA 1100	AIRCRAFT FLIGHT THEORY	.....3
AVMA 1102	INTRODUCTION TO AIR TRAFFIC CONTROL	.....3
AVMA 2206	AVIATION SECURITY	.....3
AVMA 2210	AVIATION METEOROLOGY	.....3
AVMA 2211	AIRPORT MANAGEMENT	.....3
AVMA 2213	AIRPORT PLANNING AND DEVELOPMENT	.....3
AVMA 3310	BUSINESS STATISTICS	.....3
BSBA 2204	PRINCIPLES OF MARKETING	.....3
SFTY 1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY	.....3
SFTY 1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREV.	.....3

Major Electives (Select 6hrs. from the following courses)

AVMA 4401	AVIATION INDUSTRY RESEARCH	.....3
AVMA 4403	AVIATION PROJECT	.....1-4
AVMA 4411	AVIATION INDUSTRY INTERNSHIP	.....3
AVMA 4498	UNDERGRADUATE RESEARCH	.....1-6

- General Studies Requirements..... 39-41 SEM. HRS.

Attribute IA – Critical Analysis	
ENGL 1108	.....3
Attribute IB – Quantitative Literacy	
MATH 1102 or 1112	.....3
Attribute IC – Written Communication	
ENGL 1104	.....3
Attribute ID – Teamwork	
MANF 2250	.....3
Attribute IE – Information Literacy	
Met in Attribute IA with ENGL 1108	.....X
Attribute IF – Technology Literacy	
TECH 1100 or BISM 1200 or ENGL 1109	.....3
Attribute IG – Oral Communication	
COMM 2200 or 2201 or 2202	.....3
Attribute III – Citizenship	
POLI 1103	.....3
Attribute IV – Ethics	
Met in Attribute IG with COMM 2200 or 2201 or 2202	.....3
Attribute V – Health	
Any course listed in V	.....2-3
Attribute VI – Interdisciplinary	
Met in Attribute III with POLI 1103	.....X
Attribute VIIA – Arts	
Any course listed in VIIA	.....3
Attribute VIIB – Humanities	
Any course listed in VIIB	.....3
Attribute VIIC – Social Sciences	
BSBA 2200 or 2201 or PSYC 1101 or SOCY 1110	.....3
Attribute VIID – Natural Science	
PHYS 1101 or 1105	.....4-5
Attribute VIII – Cultural Awareness	
Any course listed in VIII	.....3
Additional General Studies hours	.....0

AVIATION ADMINISTRATION /

PROFESSIONAL FLIGHT	.....120 SEM. HRS.
Aviation Common Core	.....27 SEM. HRS.
Aviation Admin./ Flight Curriculum	.....48 SEM. HRS.
General Studies Requirements	.....39-41 SEM. HRS.
Free Electives	.....4-6 SEM. HRS.

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.

- Aviation Administration / Flight Curriculum.....45 SEM. HRS.

Required Courses (48 hrs.)

BSBA 2201	PRINCIPLES OF ACCOUNTING	.....3
AVMA 1101	PRIVATE PILOT TECHNOLOGY	.....3
AVMA 1102	INTRO TO AIR TRAFFIC CONTROL	.....3
AVMA 1103	PRIVATE PILOT FLIGHT LAB	.....3
AVMA 2201	INSTRUMENT PILOT RATING	.....3
AVMA 2204	INSTRUMENT PILOT FLIGHT LAB	.....3
AVMA 2206	AVIATION SECURITY	.....3
AVMA 2211	AIRPORT MANAGEMENT	.....3
AVMA 2213	AIRPORT PLANNING & DEVELOPMENT	.....3
AVMA 3300	COMMERCIAL PILOT TECHNOLOGY	.....3
AVMA 3306	COMMERCIAL PILOT FLIGHT LAB	.....3
BSBA 3310	BUSINESS & ECONOMICS STATISTICS	.....3
BSBA 2204	PRINCIPLES OF MARKETING	.....3
SFTY 1100	SAFETY & ENVIRONMENTAL COMPONENTS OF INDUSTRY	.....3
SFTY 1150	SAFETY MANAGEMENT & CONCEPTS IN ACCIDENT PREVENTION	.....3

Major Electives (Select 3 credits from the following)

AVMA 4401	AVIATION INDUSTRY RESEARCH AND ANALYSIS	3
AVMA 4403	AVIATION PROJECT	3
AVMA 4411	AVIATION INDUSTRY INTERNSHIP	3
AVMA 4498	UNDERGRADUATE RESEARCH	3

• General Studies Requirements 39-41 SEM. HRS.

Attribute IA – Critical Analysis		
ENGL 1108		3
Attribute IB – Quantitative Literacy		
MATH 1102 or 1112		3
Attribute IC – Written Communication		
ENGL 1104		3
Attribute ID – Teamwork		
MANF 2250		3
Attribute IE – Information Literacy		
Met in Attribute IA with ENGL 1108		X
Attribute IF – Technology Literacy		
TECH 1100 or BISM 1200 or ENGL 1109		3
Attribute IG – Oral Communication		
COMM 2200 or 2201 or 2202		3
Attribute III – Citizenship		
POLI 1103		3
Attribute IV – Ethics		
Met in Attribute IG with COMM 2200 or 2201 or 2202		3
Attribute V – Health		
Any course listed in V		2-3
Attribute VI – Interdisciplinary		
Met in Attribute III with POLI 1103		X
Attribute VIIA – Arts		
Any course listed in VIIA		3
Attribute VIIB – Humanities		
Any course listed in VIIB		3
Attribute VIIC – Social Sciences		
BSBA 2200 or 2211 or PSYC 1101 or SOCY 1110		3
Attribute VIID – Natural Science		
PHYS 1101 or 1105		4-5
Attribute VIII – Cultural Awareness		
Any course listed in VIII		3
Additional General Studies hours		0

**MINOR IN AVIATION ADMINISTRATION
(No Flight) 21 SEM. HRS.**

Required Courses (15 hrs.)

AVMA 1100	AIRCRAFT FLIGHT THEORY	3
AVMA 1102	INTRODUCTION TO AIR TRAFFIC CONTROL	3
AVMA 2211	AIRPORT MANAGEMENT	3
AVMA 3303	AIRLINE OPERATIONS	3
AVMA 3305	GENERAL AVIATION OPERATIONS	3

Electives (6 hrs.)

(Select two courses from the following list.)

AVMA 2213	AIRPORT PLANNING AND DEVELOPMENT	3
AVMA 3301	AVIATION HISTORY	3
AVMA 3302	AVIATION LAW	3
AVMA 3307	AVIATION SAFETY	3
AVMA 4401	AVIATION INDUSTRY RESEARCH & ANALYSIS	3

**MINOR IN AVIATION ADMINISTRATION
(Flight Option) 18 SEM. HRS.**

Required Courses (12 hrs.)

AVMA 1101	PRIVATE PILOT TECHNOLOGY	3
AVMA 3301	AVIATION HISTORY	3

AVMA 3302	AVIATION LAW	3
AVMA 3305	GENERAL AVIATION OPERATIONS	3

Electives (6 hrs.)

(Select two courses from the following list.)

AVMA 2211	AIRPORT MANAGEMENT	3
AVMA 2213	AIRPORT PLANNING AND DEVELOPMENT	3
AVMA 2214	ADVANCED AIR TRAFFIC CONTROL	3
AVMA 3303	AIRLINE OPERATIONS	3
AVMA 3307	AVIATION SAFETY	3

AVIATION MAINTENANCE

MANAGEMENT	120 SEM. HRS.
Aviation Common Core	27 SEM. HRS.
Aviation Maintenance Management Curriculum (see below)	53 SEM. HRS.
General Studies Requirements	39-40 SEM. HRS.
Free Electives	0-1 SEM. HRS.

This option prepares the student for entry-level management positions in the maintenance field with airlines, aviation manufacturers, repair stations, and fixed base operators. All graduates must have obtained their FAA Airframe and Powerplant License. This program is approved by the Federal Aviation Administration and meets the requirements of Federal Aviation Regulation 147.

• Aviation Maintenance Management Curriculum 53 SEM. HRS.

AVMT 1101	INTRO. TO AVIATION MAINTENANCE	3
AVMT 1102	AIRCRAFT REGULATIONS AND PUBLICATIONS	3
AVMT 1103	AVIATION SHOP PRACTICES	3
AVMT 1105	AIRCRAFT UTILITY SYSTEMS	3
AVMT 1109	AVIATION ELECTRONICS	3
AVMT 2201	RECIPROCATING ENGINES AND SYSTEMS	3
AVMT 2202	AIRCRAFT SHEET METAL STRUCTURES	3
AVMT 2203	RECIPROCATING ENGINE MAINTENANCE AND RETURN TO SERVICE	5
AVMT 2204	AIRCRAFT PROPELLER & CONTROL SYSTEMS	3
AVMT 2205	TURBINE ENGINES AND SYSTEMS	3
AVMT 2206	AIRCRAFT FLUID POWER LANDING GEAR SYSTEMS	3
AVMT 2207	TURBINE ENGINE MAINTENANCE AND INSPECTION	3
AVMT 2208	CABIN ATMOSPHERE CONTROL SYSTEMS	3
AVMT 2209	AIRCRAFT FLIGHT CONTROL SYSTEMS	3
AVMT 2210	NON METALLIC STRUCTURES	3
AVMT 2211	AIRCRAFT AVIONICS AND INFORMATION SYSTEMS	3
AVIO 1110	AIRCRAFT POWER GENERATION AND DISTRIBUTION SYSTEMS	3

• General Studies Requirements 39-41 SEM. HRS.

Attribute IA – Critical Analysis		
ENGL 1108		3
Attribute IB – Quantitative Literacy		
MATH 1102 or 1112		3
Attribute IC – Written Communication		
ENGL 1104		3
Attribute ID – Teamwork		
MANF 2250		3
Attribute IE – Information Literacy		
Met in Attribute IA with ENGL 1108		X
Attribute IF – Technology Literacy		
TECH 1100 or BISM 1200 or ENGL 1109		3
Attribute IG – Oral Communication		
COMM 2200 or 2201 or 2202		3

Attribute III – Citizenship	
POLI 1103	3
Attribute IV – Ethics	
Met in Attribute IG with COMM 2200 or 2201 or 2202	3
Attribute V – Health	
Any course listed in V	2-3
Attribute VI – Interdisciplinary	
Met in Attribute III with POLI 1103	X
Attribute VIIA – Arts	
Any course listed in VIIA	3
Attribute VIIB – Humanities	
Any course listed in VIIB	3
Attribute VIIC – Social Sciences	
BSBA 2200 or 2211 or PSYC 1101 or SOCY 1110	3
Attribute VIID – Natural Science	
PHYS 1101 or 1105	4-5
Attribute VIII – Cultural Awareness	
Any course listed in VIII	3
Additional General Studies hours	0

ENGINEERING TECHNOLOGY

Students working toward the Bachelor of Science in Engineering Technology will be primarily concerned with the practical applications of established scientific and engineering knowledge and methods. A strong background in mathematics and science is recommended for entry into this program. The curriculum, including general education courses in business, the humanities, science and math, emphasizes the relationships of the various disciplines to technological processes in industry.

Applicants for the B.S. degree in Architecture, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, and Occupational Safety must complete the corresponding A.S. degree, or have graduated from high school with at least a 2.75 grade point average and achieved a minimum ACT composite score of 19 (SAT 910).

PRE-ENGINEERING CURRICULUM

Students planning graduate-level work in engineering should complete the following course work with a B average or better. Students are advised to carefully consult the catalog of the engineering school which they plan to attend, as Fairmont State University does not have an articulation agreement with any school of engineering.

MATH 1115	TRIG. AND ELEMENTARY FUNCTIONS	4
MATH 1190	CALCULUS I	4
CHEM 1105, 2200	CHEMICAL PRINCIPLES, FOUNDATIONAL BIOCHEMISTRY	9
ENGL 1104, 1108	WRITTEN ENGLISH I, II	6
PHED 1100	FITNESS AND WELLNESS	2
PHYS 1101, 1102	INTRODUCTION TO PHYSICS I, II	8
-OR-		
PHYS 1105, 1106	PRINCIPLES OF PHYSICS I, II	8
SOCIAL SCIENCE	ELECTIVE	3
MECH 1100	STATICS	3
TECH 1108	ENGINEERING GRAPHICS I	3

ARCHITECTURE

The B.S. in Architecture provides a sound basis for the pursuit of general knowledge and the first phase of a professional education for the general practice of architecture. The four-year program encompasses a foundation core of design, introductory studies in architectural history and theory, and building technology. Advanced design studios address methodology, and technological and theoretical synthesis through applied studies of a wide range of design inquiries and projects. Successful completion of the degree will prepare students to enter the profession at a more advanced level or pursue a graduate degree from an NAAB-accredited school of architecture. Graduates with the baccalaureate degree are qualified for entry-level positions such as designer or architectural technician. They may be employed in architectural offices, engineering offices, corporations or businesses which produce their own in-house construction documents, and construction-related fields.

ASSOCIATE OF SCIENCE IN ARCHITECTURAL ENGINEERING TECHNOLOGY60 SEM. HRS.

The associate degree in Architectural Engineering Technology provides students with a basic understanding of the history of architectural design and the entry-level drafting and communication skills required in order to work in a design/drafting office. Graduates with the associate of science degree are qualified for entry-level technical positions in architectural or engineering offices, firms related to architecture, or other businesses requiring in-house planning and drafting.

Required Courses (32 hrs.)

ARCH 1000	DESIGN FUNDAMENTALS I	4
ARCH 1050	DESIGN FUNDAMENTALS II	4
ARCH 2000	DESIGN I: FOUNDATION	4
ARCH 2010	ARCHITECTURAL HISTORY I	3
ARCH 2020	ARCHITECTURAL HISTORY II	3
ARCH 2050	DESIGN II: FOUNDATION	4
ARCH 2060	BUILDING TECHNOLOGY I	4
MATH 1115	TRIGONOMETRY	3
MECH 1100	STATICS	3

• General Studies Attributes.....24 SEM. HRS.

Attribute IA – Critical Analysis	
Met in Major with MECH 1100	X
Attribute IB – Quantitative Literacy	
MATH 1112	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID – Teamwork	
XXXX	0
Attribute IE – Information Literacy	
ENGL 1108	3
Attribute IF – Technology Literacy	
Met in Major with ARCH 2060	X
Attribute IG – Oral Communication	
Met in Major with ARCH 2060	X
Attribute II – Proficiency in the Major	
Fulfilled by the Major requirements	
Attribute III	
Any course listed in Attribute III	3

Attribute IV – Ethics
 Any course listed in Attribute IV3
 Attribute V – Health & Well-being
 PHED 1100.....2
 Attribute VI – Interdisciplinary & Lifelong Learning
 XXXXX
 Attribute VIIA – Art Appreciation
 ART 1120.....3
 Attribute VIIB – Humanities
 XXXXX
 Attribute VIIC – Social Sciences
 XXXXX
 Attribute VIID – Natural Sciences
 PHYS 11014
 Attribute VIII – Cultural Awareness & Human Dignity
 XXX.....X

• Free Electives.....4 SEM. HRS.

BACHELOR OF SCIENCE

IN ARCHITECTURE126 SEM. HRS.
 Architecture Curriculum (see below).....71 SEM. HRS.
 General Studies Requirements.....36 SEM. HRS.
 Program Electives19 SEM. HRS.
 (See “Degree Requirements” for General Studies requirements not completed through the major)

The B.S. in Architecture provides a sound basis for the pursuit of general knowledge and the first phase of a professional education for the general practice of architecture. The four-year program encompasses a foundation core of design, introductory studies in architectural history and theory, and building technology. Advanced design studios address methodology, and technological and theoretical synthesis through applied studies of a wide range of design inquiries and projects. Successful completion of the degree will prepare students to enter the profession at a more advanced level or pursue a graduate degree from an NAAB-accredited school of architecture. Graduates with the baccalaureate degree are qualified for entry-level positions such as designer or engineering technician. They may be employed in architectural offices, engineering offices, corporations or businesses which produce their own in-house construction documents, and construction-related fields.

• Architecture Curriculum71 SEM. HRS.

Required Courses (71 hrs.)

ARCH 1000 DESIGN FUNDAMENTALS I4
 ARCH 1050 DESIGN FUNDAMENTALS II4
 ARCH 2000 DESIGN I: FOUNDATION4
 ARCH 2010 ARCHITECTURAL HISTORY I3
 ARCH 2020 ARCHITECTURAL HISTORY II3
 ARCH 2050 DESIGN II: FOUNDATION4
 ARCH 2060 BUILDING TECHNOLOGY I4
 ARCH 3000 DESIGN III: SITE6
 ARCH 3050 DESIGN IV: URBAN6
 ARCH 4000 DESIGN V: TECHNOLOGY6
 ARCH 4030 MECHANICAL AND ELECTRICAL SYSTEMS4
 ARCH 4050 DESIGN VI: DESIGN/BUILD6
 ARCH 4060 BUILDING TECHNOLOGY II4
 CIVL 2290 INTRODUCTION TO STRUCTURES3
 MATH 1115 TRIGONOMETRY3
 MECH 1100 STATICS.....3
 MECH 2200 STRENGTH OF MATERIALS.....4

Program Electives (19 hrs.)
 (Choose in consultation with advisor)

• General Studies Requirements36 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:
 MECH 1100 (Satisfied in Major)X
 Attribute IB – Quantitative Literacy:
 MATH 1112.....3
 Attribute IC – Written Communication:
 ENGL 11043
 Attribute ID – Teamwork:
 ARCH 3000 (Satisfied in Major)X
 Attribute IE – Information Literacy:
 ENGL11083
 Attribute IF – Technology Literacy:
 Technology Literacy Elective (Satisfied in Major)X
 Attribute IG – Oral Communication:
 ARCH 4000 (Satisfied in Major)X
 Attribute III – Citizenship:
 Any Course listed in III.....3
 Attribute IV – Ethics:
 Any Course listed in IV.....3
 Attribute V – Health:
 PHED 1100.....2
 Attribute VI – Interdisciplinary:
 Any Course listed in VI.....3
 Attribute VIIA – Arts:
 ART 11203
 Attribute VIIB – Humanities:
 Any course listed in VIIB3
 Attribute VIIC – Social Sciences:
 Any Course listed in VIIC.....3
 Attribute VIID – Natural Science:
 PHYS 11014
 Attribute VIII – Cultural Awareness:
 Any course listed in VIII3



CIVIL ENGINEERING TECHNOLOGY

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 University 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

(TAC of ABET Accredited)60 SEM. HRS.

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.

Required Courses (41 hrs.)

CHEM	1101	GENERAL CHEMISTRY I	X
CIVL	1100	INTRODUCTION TO CIVIL ENGINEERING TECHNOLOGY.....	1
CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2210	LIGHT CONSTRUCTION	4
CIVL	2220	CONSTRUCTION MATERIALS AND METHODS.....	4
CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2240	LAND & ROUTE SURVEYING.....	3
CIVL	2275	CIVIL ENGINEERING GRAPHICS.....	3
CIVL	2280	ENVIRONMENTAL ENGINEERING TECH I	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
TECH	1108	ENGINEERING GRAPHICS	3
MATH	1101	APPLIED TECHNICAL MATH I	X
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS.....	3
MECH	2200	STRENGTH OF MATERIALS.....	4
TECH	2290	ENGINEERING ANALYSIS I.....	4

- General Studies..... 19 SEM. HRS.

Choose courses with advisor's approval.

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: CIVIL ENGINEERING TECHNOLOGY (TAC of ABET Accredited)..... 120 SEM. HRS.

Civil Engineering Technology Curriculum (see below)	82 SEM. HRS.
General Studies Requirements	33-34 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Free Electives.....	1-2 SEM. HRS.
Technical Electives	3 SEM. HRS.

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.

- Civil Engineering Technology Curriculum...82 SEM. HRS.

Required Courses (82 hrs.)

CHEM	1101	GENERAL CHEMISTRY I.....	4
-OR-			
CHEM	1105	CHEMICAL PRINCIPLES	5
PHYS	1101	INTRODUCTION TO PHYSICS I.....	4
CHEM	1102	GENERAL CHEMISTRY II.....	4
-OR-			
CHEM	2200	FOUNDATIONAL BIOCHEMISTRY	4
CIVL	1100	INTRODUCTION TO CIVIL ENGINEERING TECH.	1
CIVL	2200	INTRODUCTION TO SURVEYING	3
CIVL	2210	LIGHT CONSTRUCTION.....	4
CIVL	2220	CONSTRUCTION MATERIALS	4
CIVL	2230	CONSTRUCTION ESTIMATING	3
CIVL	2240	LAND & ROUTE SURVEYING	3
CIVL	2275	CIVIL ENGINEERING GRAPHICS.....	3
CIVL	2280	ENVIRONMENTAL ENGINEERING TECH I	3
CIVL	2290	INTRODUCTION TO STRUCTURES	3
CIVL	3305	HYDRAULICS AND HYDROLOGY	3
CIVL	3340	SOIL MECHANICS	4
CIVL	4400	HIGHWAY DESIGN	4
CIVL	4410	ADVANCED STRUCTURAL ANALYSIS.....	3
CIVL	4420	CONSTRUCTION PLANNING & ADMIN	3
CIVL	4440	STRUCTURAL DESIGN	3
CIVL	4460	ENVIRONMENTAL ENGINEERING TECH II.....	3
CIVL	4470	ADVANCED SOILS AND FOUNDATION	3
TECH	1108	ENGINEERING GRAPHICS	3
MATH	1101	APPLIED TECHNICAL MATHEMATICS I.....	X
MATH	1102	APPLIED TECHNICAL MATHEMATICS II.....	3
MECH	1100	STATICS.....	X
MECH	2200	STRENGTH OF MATERIALS.....	4
MECH	3320	DYNAMICS.....	3
TECH	2290	ENGINEERING ANALYSIS I.....	4
TECH	3300	ENGINEERING ANALYSIS II.....	4

Free Elective (1-2 hrs.)

Choose a course with advisor's approval.

Technical Electives (3)

- General Studies Requirements..... 33-34 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:

MECH 1100 (Satisfied in Major)

Attribute IB – Quantitative Literacy:

MATH 1101.....

Attribute IC – Written Communication:

ENGL 1104

Attribute ID – Teamwork:

CIVL 2200 (Satisfied in Major).....

Attribute IE – Information Literacy:

ENGL 1108

Attribute IF – Technology Literacy:

CIVL 2210 (Satisfied in Major).....

Attribute IG – Oral Communication:

COMM 2202

Attribute III – Citizenship:

HIST 1107 or Any Course listed in III.....

Attribute IV – Ethics:

CIVL 4420 (Satisfied in Major).....

Attribute V – Health:

Any Course in V

Attribute VI – Interdisciplinary:

GEOG 2210 or Any Course listed in VI

Attribute VIIA – Arts:

Any course in VIIA.....

Attribute VIIB – Humanities:
 HIST 1107 or Any course listed in VIIB (Satisfied by Attribute III)X
 Attribute VIIC – Social Sciences:
 BSBA 22003
 Attribute VIID – Natural Science:
 CHEM 1101 or 11054-5
 Attribute VIIE – Cultural Awareness:
 GEOG 2210 or Any course listed in VIII (Satisfied by Attribute VI)X

- Required General Studies Courses 16-17 SEM. HRS.

MATH 1185	APPLIED CALCULUS I.....	4
ENGL 1104	WRITTEN ENGLISH I.....	3
COMM 2202	INTRO. TO COMMUNICATION IN THE WORLD OR WORK.....	3
PHYS 1101	INTRODUCTION TO PHYSICS.....	4
HEALTH ELECTIVE.....		2-3
TECH ELECTIVE		3

ELECTRONICS ENGINEERING TECHNOLOGY

The Electronics Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. The Electronics Engineering Technology program at Fairmont State University prepares graduates to work in industries that produce and use electrical and electronic equipment. Graduates are employed by a wide variety of industries, including coal, aerospace, semiconductor, control, utilities, glass, and computer companies. They may be involved in areas such as design, testing, maintenance, production, and supervision. The program is designed as a highly flexible 2 + 2 curriculum. Once the associate degree is earned, the graduate may choose to enter the workforce or continue studying at the baccalaureate level.

ASSOCIATE OF SCIENCE IN ELECTRONICS ENGINEERING TECHNOLOGY (TAC of ABET Accredited) 59-60 SEM. HRS.

The associate of science degree in Electronics Engineering Technology emphasizes an understanding of basic electronic circuits and devices. Students concentrate on mathematics and science, written and oral communication skills, fundamentals of electronics, and electronic specialization classes that cover transistors, linear and digital circuits, microcomputer systems, AC/DC machinery and controls, industrial systems, communication systems, and programmable logic controllers. Graduates with the associate degree are qualified for entry level technician positions in maintenance, repair and equipment calibration.

Required Major Courses (40 hrs.)

ELEC 1100	CIRCUIT ANALYSIS I.....	3
ELEC 2200	ELECTRONIC SHOP PRACTICES.....	3
ELEC 2210	CIRCUIT ANALYSIS II.....	3
ELEC 2225	ELECTRONICS DEVICES.....	3
ELEC 2230	DIGITAL ELECTRONICS.....	3
ELEC 2240	INDUSTRIAL ELECTRONICS.....	3
ELEC 2250	AC-DC MACHINERY AND CONTROLS.....	3
ELEC 2260	COMMUNICATION SYSTEMS.....	3
ELEC 2270	MICROCOMPUTER SYSTEMS.....	3
ELEC 2280	PROGRAMMABLE CONTROLLERS.....	3
MATH 1186	APPLIED CALCULUS II.....	4
-OR-		
MATH 3315	CALCULUS II.....	4
TECH 1108	ENGINEERING GRAPHICS.....	3
COMP 1101	APPLIED TECHNICAL PROGRAMMING.....	3

BACHELOR OF SCIENCE IN ENGINEERING TECHNOLOGY: ELECTRONICS ENGINEERING TECHNOLOGY (TAC of ABET Accredited) 120 SEM. HRS.

Electronics Engineering Technology Curriculum (see below).....	70 SEM. HRS.
General Studies Requirements.....	38 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Tech Electives.....	9 SEM. HRS.
Free Electives.....	3 SEM. HRS.

The Bachelor of Science degree provides students with a greater emphasis on design and analysis, with advanced classes in linear and microcomputer systems, data acquisition and control systems, an independent senior electronics project and elective hours that can be applied to a work experience practicum in industry. Graduates with the Bachelor of Science degree are qualified for positions that range from technician through electronic engineering technologist. Work at this level usually involves product design, writing performance requirements, developing maintenance schedules, data analysis, and programming PLC's. Baccalaureate graduates are eligible to sit for the Fundamentals of Engineering Exam (FE) in West Virginia, the first step to becoming a professional engineer.

- Electronics Engineering Technology Curriculum..... 70 SEM. HRS.

Required Courses (70 hrs.)

COMP 1101	APPLIED TECHNICAL PROGRAMMING.....	3
TECH 1108	ENGINEERING GRAPHICS.....	3
ELEC 1100	CIRCUIT ANALYSIS I.....	3
ELEC 2200	ELECTRONICS SHOP PRACTICES.....	3
ELEC 2210	CIRCUIT ANALYSIS II.....	3
ELEC 2225	ELECTRONICS DEVICES.....	3
ELEC 2230	DIGITAL ELECTRONICS.....	3
ELEC 2240	INDUSTRIAL ELECTRONICS.....	3
ELEC 2250	AC-DC MACHINERY AND CONTROLS.....	3
ELEC 2260	COMMUNICATIONS SYSTEMS.....	3
ELEC 2270	MICROCOMPUTER SYSTEMS.....	3
ELEC 2280	PROGRAMMABLE CONTROLLERS.....	3
ELEC 3300	ADVANCED LINEAR ELECTRONICS.....	3
ELEC 3310	ADVANCED MICROCOMPUTER SYSTEMS.....	3
ELEC 4401	SENIOR ELECTRONICS PROJECT I.....	4
ELEC 4402	SENIOR ELECTRONICS PROJECT II.....	3
ELEC 4410	DATA ACQUISITION & CONTROL SYSTEMS.....	4
MANF 2250	TOTAL QUALITY AND SPC.....	3
MATH 1113	APPLIED STATISTICS.....	3
MATH 1186	APPLIED CALCULUS II.....	4
-OR-		
MATH 3315	CALCULUS II.....	4
PHYS 1102	INTRODUCTION TO PHYSICS II.....	4
SFTY 1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY.....	3



TECH Electives * (9 hrs.)

AVIO	2202	INSTRUMENT LANDING SYSTEMS	3
AVIO	2204	AIRCRAFT NAVIGATION SYSTEMS	3
AVIO	2209	AIRCRAFT PULSE AND RADAR SYSTEMS	3
CHEM	1101	GENERAL CHEMISTRY I	4
COMP	1102	PRINCIPLES OF PROGRAMMING I	3
COMP	1108	PRINCIPLES OF PROGRAMMING II	3
COMP	2200	OBJECT-ORIENTED PROGRAMMING	3
COMP	2201	MACHINE ORGANIZATION	3
TECH	2208	FUNDAMENTALS OF CAD	3
BISM	2400	OPERATING SYSTEMS CONCEPTS	3
BISM	2600	INTRO TO NETWORKING ADMINISTRATION	3
MANF	2205	ENGINEERING ECONOMY	3
MATH	3316	CALCULUS III	4
MATH	3335	PROBABILITY & STATISTICS	3
MATH	3362	LINEAR ALGEBRA	3
MATH	4401	DIFFERENTIAL EQUATIONS	3
MECH	1100	STATICS	3
MECH	2200	STRENGTH OF MATERIALS.....	4
MECH	2210	THERMODYNAMICS I	3
MECH	2220	FLUID MECHANICS	3
MECH	2240	MACHINE DESIGN I	3
SFTY	2250	SAFETY LAW & COMPLIANCE	3
TECH	4401	WORK EXPERIENCE LABORATORY.....	8

*Other technical related courses, not on this list, that meet the goals of the ELEC program, will be considered for credit as a Technical Elective, on a case-by-case basis.

- General Studies Requirements 37-38 SEM.HRS.

(when choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA-Critical Analysis:

ENGL 11093

Attribute IB-Quantitative Literacy:

MATH 1185 or MATH 1190.....4

Attribute IC-Written Communications:

ENGL 1104/11086

Attribute ID-Teamwork:

MANF 2250X

Attribute IE-Information Literacy:

ENGL 1108X

Attribute IF-Technology Literacy:

ENGL 1109X

Attribute IG-Oral Communications:

COMM 22023

Attribute III-Citizenship:

HIST 1107 (or any approved course in this attribute).....3

Attribute IV-Ethics:

COMM 2202X

Attribute V-Health:

Any approved course in V2-3

Attribute VI-Interdisciplinary:

Any course in VI3

Attribute VIIA-Arts:

Any course in VIIA.....3

Attribute VIIB-Humanities:

HIST 1107 (or any approved course in this attribute).....X

Attribute VIIC-Social Sciences:

Any Course in VIIC3

Attribute VIID-Natural Science:

PHYS 11014

Attribute VIII-Cultural Awareness:

Any Course in VIII3

MINOR IN ELECTRONICS

ENGINEERING TECHNOLOGY 19 SEM. HRS.

Required Courses (19 hrs.)

ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2210	CIRCUIT ANALYSIS II	3
ELEC	2230	DIGITAL ELECTRONICS.....	3
ELEC	2270	MICROCOMPUTERS.....	3
ELEC	3310	ADVANCED MICROCOMPUTER SYSTEMS.....	3
PHYS	1101	INTRODUCTION TO PHYSICS I.....	4

MECHANICAL ENGINEERING TECHNOLOGY

The Mechanical Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. Mechanical engineering technologists are concerned with the production, transmission and use of mechanical power and thermal energy. They also participate in the general design, maintenance and troubleshooting of mechanical components and assemblies (machines). The Mechanical Engineering Technology program at Fairmont State University prepares graduates for work in industry as an engineering technician or technologist where they may design, build, test, and/or maintain machines and mechanical equipment. The program is designed as a highly flexible 2 + 2 curriculum. Once the two-year degree is earned, the graduate may choose to enter the workforce or continue to study at the baccalaureate level.

ASSOCIATE OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

(TAC of ABET Accredited)60 SEM. HRS.

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.

Required Courses (60 hrs.)

COMM	2200 OR 2201 OR 2202	HUMAN COMMUNICATION.....	3
ELEC	1100	CIRCUIT ANALYSIS I	3
ELEC	2250	AC-DC MACHINERY AND CONTROLS.....	3
ENGL	1104	WRITTEN ENGLISH I.....	3
ENGL	1109	TECHNICAL REPORT WRITING	3
MANF	1100	MATERIALS AND PROCESSES.....	3
MATH	1101	APPLIED TECHNICAL MATH I.....	3
MATH	1102	APPLIED TECHNICAL MATH II	3
MECH	1100	STATICS.....	3
MECH	2200	STRENGTH OF MATERIALS.....	4

MECH 2210	THERMODYNAMICS I.....	3
MECH 2220	FLUID MECHANICS	3
MECH 2240	MACHINE DESIGN I	3
PHYS 1101	INTRODUCTION TO PHYSICS I.....	4
PHYS 1102	INTRODUCTION TO PHYSICS II.....	4
TECH 2290	ENGINEERING ANALYSIS I.....	4
TECH 1108	ENGINEERING GRAPHICS I 3.....	
TECH 2208	ENGINEERING GRAPHICS II 3	
FREE ELECTIVE	.....	2

**BACHELOR OF SCIENCE IN
ENGINEERING TECHNOLOGY:
MECHANICAL ENGINEERING TECHNOLOGY
(TAC of ABET Accredited)** 120 SEM. HRS.
Mechanical Engineering Technology
Curriculum (see below) 83 SEM. HRS.
General Studies Requirements 37 SEM. HRS.
(See "Degree Requirements" for General Studies
requirements not completed through the major)

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.

- Mechanical Engineering Technology
Curriculum..... 83 SEM. HRS.

Required Courses (74 hrs.)

CHEM 1101	GENERAL CHEMISTRY I.....	4
COMP 1101	APPLIED TECHNICAL PROGRAMMING	3
ELEC 1100	CIRCUIT ANALYSIS I	3
ELEC 2250	AC-DC MACHINERY AND CONTROLS.....	3
MANF 1100	MATERIALS AND PROCESSES.....	3
MATH 1102	APPLIED TECHNICAL MATHEMATICS II.....	3
MECH 1100	STATICS.....	3
MECH 2200	STRENGTH OF MATERIALS.....	4
MECH 2210	THERMODYNAMICS I.....	3
MECH 2220	FLUID MECHANICS	3
MECH 2240	MACHINE DESIGN I	3
MECH 3300	THERMODYNAMICS II.....	3
MECH 3320	DYNAMICS.....	3
MECH 3330	HEAT TRANSFER I.....	3
MECH 3340	HEATING, AIR CONDITIONING AND VENTILATION.....	3
MECH 4400	MECHANICAL MEASUREMENTS.....	3
MECH 4410	THERMODYNAMICS III.....	3
MECH 4430	HEAT TRANSFER II.....	3
PHYS 1102	INTRODUCTION TO PHYSICS II.....	4
TECH 1108	ENGINEERING GRAPHICS I.....	3
TECH 2208	ENGINEERING GRAPHICS II.....	3
TECH 2290	ENGINEERING ANALYSIS I.....	4
TECH 3300	ENGINEERING ANALYSIS II.....	4

Electives (9 hrs.)

CIVL 2200	INTRODUCTION TO SURVEYING	3
CIVL 2210	LIGHT CONSTRUCTION.....	3
CIVL 2290	INTRODUCTION TO STRUCTURES	3
COMP 1102	PRINCIPLES OF PROGRAMMING I	3
COMP 1108	PRINCIPLES OF PROGRAMMING II	3
COMP 2200	OBJECT-ORIENTED PROGRAMMING.....	3
COMP 2201	MACHINE ORGANIZATION	3
DRFT 2205	INTRODUCTION TO SOLID MODELING.....	3
DRFT 2225	DESCRIPTIVE GEOMETRY.....	3
DRFT 2995	TOOL DESIGN.....	4
ELEC 2210	CIRCUIT ANALYSIS II	3
ELEC 2280	PROGRAMMABLE CONTROLLERS.....	3
INFO 2250	NETWORKING FUNDAMENTALS	3
INFO 2251	ROUTER THEORY & ROUTER TECHNOLOGIES	3
INFO 2252	ADVANCED ROUTING & SWITCHING.....	3
MANF 2205	ENGINEERING ECONOMY	3
MATH 1113	APPLIED STATISTICS.....	4
MATH 3316	CALCULUS III	4
MATH 3335	PROBABILITY & STATISTICS	3
MATH 3362	LINEAR ALGEBRA.....	3
MATH 4401	DIFFERENTIAL EQUATIONS	3
MECH 3350	NUMERICAL METHODS	3
SFTY 1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY.....	3
SFTY 2250	SAFETY LAW & COMPLIANCE.....	3
TECH 3399	ADVANCED PLCS	3
TECH 4401	WORK EXPERIENCE LABORATORY.....	8

- General Studies Requirements 37 SEM.HRS.
(when choices are available, see the full General Studies
Curriculum in Appendix A.)

Attribute IA-Critical Analysis:

MECH 1100 (Satisfied in major).....X

Attribute IB-Quantitative Literacy:

MATH 1101..... 3

Attribute IC-Written Communications:

ENGL 1104

Attribute ID-Teamwork:

MECH 4430 (Satisfied in major).....X

Attribute IE-Information Literacy:

ENGL 1108

Attribute IF-Technology Literacy:

ENGL 1109

Attribute IG-Oral Communications:

COMM 2200 or 2201 or 2202

Attribute III-Citizenship:

HIST 1107 or 1108..... 3

Attribute IV-Ethics:

COMM 2200 or 2201 or 2202 (Satisfied in Attribute IG)

Attribute V-Health:

PHED 1100..... 2

Attribute VI-Interdisciplinary:

Any course listed in VI

Attribute VIIA-Arts:

Any course in VIIA..... 3

Attribute VIIB-Humanities:

HIST 1107 or 1108 (Satisfied in Attribute III)

Attribute VIIC-Social Sciences:

BSBA 2200..... 3

Attribute VIID-Natural Science:

PHYS 1101

Attribute VIII-Cultural Awareness:

Any Course in VIII

Additional General Studies

MECH 4400 (satisfied in major).....X

(Writing Intensive Course)

Free Elective..... 1

OCCUPATIONAL SAFETY

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.

ASSOCIATE OF SCIENCE IN SAFETY ENGINEERING TECHNOLOGY60 SEM. HRS.

Required Courses (60 hrs.)

SCIE 1100	HUMAN BIOLOGY.....	4
PHED 2211	ANATOMY AND PHYSIOLOGY PLUS LAB	4
CHEM 1101	GENERAL CHEMISTRY I.....	4
CHEM 1102	GENERAL CHEMISTRY II.....	4
COMM 2200 OR 2201 OR 2202	.....	3
ENGL 1104	WRITTEN ENGLISH I.....	3
ENGL 1108	WRITTEN ENGLISH II.....	3
MATH 1101	APPLIED TECHNICAL MATH I.....	3
MATH 1102	APPLIED TECHNICAL MATH II.....	3
PHYS 1101	INTRODUCTION TO PHYSICS I.....	4
PHED 1100	FITNESS AND WELLNESS.....	2
SFTY 1100	SAFETY AND ENVIRONMENTAL COMP. OF INDUSTRY ..	3
SFTY 1150	SAFETY MANAGEMENT AND CONCEPTS IN ACCIDENT PREVENTION.....	3
SFTY 2250	SAFETY LAW AND COMPLIANCE.....	3
SFTY 2280	CONSTRUCTION SAFETY & LAW.....	3
SFTY 2290	INDUSTRIAL HYGIENE AND TOXICOLOGY.....	4
SFTY 2291	ENVIRON. ENGR. TECHNOLOGY: HAZARDOUS WASTE ..	4
SFTY 3360	FIRE PREVENTION.....	3

BACHELOR OF SCIENCE:

OCCUPATIONAL SAFETY	120 SEM. HRS.
Occupational Safety Curriculum (see below)	78 SEM. HRS.
General Studies Requirements	36 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Electives	6 SEM. HRS.

• Occupational Safety Curriculum78 SEM. HRS.

Required Courses (78 hrs.)

SCIE 1100	HUMAN BIOLOGY.....	4
PHED 2211	ANATOMY AND PHYSIOLOGY.....	4
CHEM 1102	GENERAL CHEMISTRY II.....	4
MATH 1102	APPLIED TECHNICAL MATHEMATICS II.....	3
MATH 1113	APPLIED STATISTICS.....	3
MECH 1100	STATICS.....	3
PHYS 1101	INTRODUCTION TO PHYSICS I.....	4
PHYS 1102	INTRODUCTION TO PHYSICS II.....	4
SFTY 1100	SAFETY & ENVIRON. COMPONENTS OF INDUSTRY	3
SFTY 1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREV.....	3
SFTY 2250	SAFETY LAW & COMPLIANCE.....	3
SFTY 2280	CONSTRUCTION SAFETY & LAW.....	3
SFTY 2290	INDUSTRIAL HYGIENE AND TOXICOLOGY.....	4
SFTY 2291	ENVIRONMENTAL ENGR. TECH.: HAZ. WASTE	4
SFTY 3300	INDUSTRIAL HYGIENE APPLICATIONS AND PRACTICES	4
SFTY 3310	ERGONOMICS & HUMAN FACTORS.....	3
SFTY 3355	AIR AND WATER POLLUTION	3
SFTY 3360	FIRE PREVENTION.....	3
SFTY 4415	SAFETY INTERNSHIP	3
SFTY 4400	SAFETY ENGINEERING DESIGN	3
SFTY 4420	SYSTEM SAFETY AND MANAGEMENT	3
SFTY 4480	APPLICATION OF SAFETY STRATEGIES	4
BSBA 3306	BUSINESS LAW I	3

Electives (6 hrs.)

BISM 2800	CORPORATE COMMUNICATIONS AND TECHNOLOGY ..	3
BSBA 3307	BUSINESS LAW II	3
BSBA 3319	EMPLOYMENT LAW.....	3
CHEM 2201	ORGANIC CHEMISTRY	4
DRFT 2200	FUNDAMENTALS OF CAD	3
ELEC 1100	CIRCUIT ANALYSIS I	3
ELEC 2210	CIRCUIT ANALYSIS II	3
MANF 1100	MATERIALS & PROCESSES	3
MANF 2205	ENGINEERING ECONOMY	3
MATH 1185	APPLIED CALCULUS I.....	4
MATH 1186	APPLIED CALCULUS II.....	4
MECH 2200	STRENGTH OF MATERIALS.....	3
BSBA 2209	PRINCIPLES OF MANAGEMENT.....	3
MGMT 3308	HUMAN RESOURCES MANAGEMENT.....	3
MGMT 3370	COMPENSATION AND BENEFITS.....	3
MGMT 3371	EMPLOYEE RELATIONS	3
MGMT 3372	HUMAN RESOURCES SELECTION AND EVALUATION ..	3
MGMT 3390	ORGANIZATIONAL BEHAVIOR	3
SFTY 2210	DISASTER PREPAREDNESS	3
SPAN 1101	ELEMENTARY SPANISH I	3
SPAN 1102	ELEMENTARY SPANISH II	3
TECH 2290	ENGINEERING ANALYSIS I.....	4
TECH 3300	ENGINEERING ANALYSIS II.....	4

• General Studies Requirements.....36 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:

ENGL 1108	3
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Attribute IB – Quantitative Literacy:

MATH 1101.....	3
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Attribute IC – Written Communication:	
ENGL 1104	3
Attribute ID – Teamwork:	
SFTY 4420 (Satisfied in Major).....	X
Attribute IE – Information Literacy:	
ENGL 1108	X
Attribute IF – Technology Literacy:	
SFTY 3300 (Satisfied in Major) (Writing Intensive Course).....	X
Attribute IG – Oral Communication:	
COMM 2202(Preferred), 2200, 2201.....	3
Attribute III – Citizenship:	
Any Course listed in III.....	3
Attribute IV – Ethics:	
MANF 2250	3
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
SFTY 4480 (Satisfied in Major).....	X
Attribute VIIA – Arts:	
Any course listed in VIIA.....	3
Attribute VIIB – Humanities:	
Any course listed in VIIB	3
Attribute VIIC – Social Sciences:	
PSYC 1101	3
Attribute VIID – Natural Science:	
CHEM 1101	4
Attribute VIII – Cultural Awareness:	
Any course listed in VIII	3

MINOR IN OCCUPATIONAL SAFETY .. 23-24 SEM. HRS.

Required Courses (20 hrs.)

SFTY 1100	SAFETY & ENVIRONMENTAL COMP. OF INDUSTRY.....	3
SFTY 1150	SAFETY MGT. & CONCEPTS IN ACCIDENT PREVENTION	3
SFTY 2250	SAFETY LAW & COMPLIANCE.....	3
SFTY 3360	FIRE PREVENTION.....	3
SFTY 2290	INDUSTRIAL HYGIENE AND TOXICOLOGY.....	4
SFTY 2291	ENVIRONMENTAL ENGINEERING TECHNOLOGY: HAZARDOUS WASTE.....	4

Electives (3-4 hrs.)

PHED 2211	ANATOMY AND PHYSIOLOGY.....	4
MATH 1113	APPLIED STATISTICS.....	3
MECH 1100	STATICS.....	3
PSYC 2240	STATISTICS.....	4

GRAPHICS TECHNOLOGY

The associate’s degree in Graphics Technology provides students with a basic understanding of visual communications and the entry level design and technical skills. The Bachelor of Science degree provides students with a concentration in design theory and proficiency in computer and multimedia technologies that will allow them to enter the profession at a more advanced level.

Graduates with the associate degree are qualified for entry-level positions to work as layout artists, graphic design assistants, or Web design technicians. Graduates with the Bachelor of Science degree are qualified for entry-level positions as graphic designers, art directors, creative directors, Web designers, digital pre-press technicians, technical illustrators, desktop publishing artists or production artists.

BACHELOR OF SCIENCE IN GRAPHICS TECHNOLOGY: ELECTRONIC PUBLISHING/IMAGING SPECIALIZATION 120 SEM. HRS.

Electronic Publishing/Imaging Curriculum (see below)	64 SEM. HRS.
General Studies Requirements	45-47 SEM. HRS.
Free Electives.....	9-11 SEM. HRS.

- Electronic Publishing/Imaging Curriculum ..64 SEM. HRS.

Required Courses (64 hrs.)

ART 1140	DESIGN I: 2D.....	3
ART 1141	DESIGN II: 3D.....	3
GRAP 1100	GRAPHICS COMMUNICATIONS PROCESSES.....	3
GRAP 1125	MULTIMEDIA CONCEPTS	3
GRAP 1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP 2210	GRAPHICS-METHODS AND MATERIALS.....	3
GRAP 2230	GRAPHIC DESIGN I	3
GRAP 2235	GRAPHIC DESIGN II	3
GRAP 2240	PHOTOGRAPHY CONCEPTS.....	3
OFAD 2250	DESKTOP PUBLISHING	3
GRAP 2290	IMAGE EDITING	3
GRAP 2995	GRAPHICS PRACTICUM	4
GRAP 3330	BRANDING AND IDENTITY DESIGN	3
GRAP 3336	MOTION GRAPHICS	3
GRAP 3370	PORTFOLIO PROCESS.....	3
GRAP 4410	ADVANCED TOPICS IN GRAPHICS.....	3
GRAP 4430	MULTIPAGE DOCUMENTS AND DESIGN	3
GRAP 4435	INTERACTIVE AND MULTIMEDIA DESIGN	3
GRAP 4455	ANIMATION STUDIO.....	3
GRAP 4490	EXHIBITION DESIGN AND DEVELOPMENT	3
TECH 1101	INTRODUCTION TO TECHNOLOGY	3

Recommended Electives

ART 3378	ART HISTORY FROM 1750 TO 1950.....	3
GRAP 2255	INTERNET ANIMATION	3
GRAP 2280	INTERNET PUBLISHING	3
GRAP 2285	ELECTRONIC ART	3

MINOR IN GRAPHICS TECHNOLOGY21 SEM. HRS.

Required Courses (21 hrs.)

GRAP 1100	GRAPHICS COMMUNICATIONS PROCESSES.....	3
GRAP 1150	COMPUTER APPLICATIONS TO GRAPHICS	3
GRAP 2200	INTRODUCTION TO DESKTOP PUBLISHING	3
-OR-		
OFAD 2250	DESKTOP PUBLISHING	3
GRAP 2210	GRAPHICS-METHODS AND MATERIALS.....	3
GRAP 2230	GRAPHIC DESIGN I	3
GRAP 2240	PHOTOGRAPHY CONCEPTS.....	3
GRAP 2265	ESTIMATING AND COST ANALYSIS.....	3

- General Studies Requirements..... 45-47 SEM.HRS.

(when choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis	
ENGL 1109 Technical Report Writing	3
Attribute IB – Quantitative Literacy	
MATH 1107 or Higher in IB.....	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID - Teamwork	
TECH 1101 (Satisfied in the Major).....	X
Attribute IE – Information Literacy	
ENGL 1108	3



Attribute IF – Technology Literacy	
TECH 1100.....	3
Attribute IG – Oral Communication	
COMM 2200 or 2201 or 2202	3
Attribute III - Citizenship	
HIST 1107 or 1108 or POLI 1103	3
Attribute IV - Ethics	
MANF 2250 Total Quality and SPC.....	3
Attribute V - Health	
Any Course in V	2-3
Attribute VI - Interdisciplinary	
Any Course in VI	3
Attribute VIIA - Arts	
Any Course in VIIA	3
Attribute VIIB - Humanities	
Any Course in VIIB	3
Attribute VIIC – Social Sciences	
Any Course in VIIC	3
Attribute VIID - Natural Science	
Any Course in VIID	4-5
Attribute VIII – Cultural Awareness	
Any Course in VIII	3

TECH 3302	MANUFACTURING II	4
TECH 3303	TRANSPORTATION II	4
TECH 3304	CONSTRUCTION II.....	4
TECH 3331	ORGANIZATION AND ADMINISTRATION OF TECH. ED. .4	
TECH 4431	METHODS AND MATERIALS FOR TEACHING TECH. ED..3	

• Professional Education39 SEM. HRS.

EDUC 2200	INTRO TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

TECHNOLOGY EDUCATION

The FSU Technology Education Program is recognized as one of the better undergraduate programs in the country. There is an extremely high demand for FSU graduates, especially in eastern states such as West Virginia, Virginia, Pennsylvania, Ohio, Maryland, North Carolina, South Carolina and Florida. The program's small classes are a contributing factor to its 100% passing rate on the Praxis II Specialty Area Exam. Students will learn to work directly with their pupils to solve problems, plan projects, select materials, produce projects, use tools and equipment in a safe manner, and properly organize and maintain a technology education laboratory. Students may choose either the comprehensive or single-subject specialization (the latter requires students to choose another specialization in addition, in order to graduate).

**BACHELOR OF ARTS IN EDUCATION:
SPECIALIZATION IN TECHNOLOGY EDUCATION
COMPREHENSIVE 5-ADULT125 SEM. HRS.**

Technology Education Curriculum (see below)	56 SEM. HRS.
General Studies Requirements	30 SEM. HRS.
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Professional Education Courses	39 SEM. HRS.

• Technology Education Curriculum56 SEM. HRS.

Required Courses (56 hrs.)

MATH 1101	APPLIED TECHNICAL MATHEMATICS I.....	3
MATH 1102	APPLIED TECHNICAL MATHEMATICS II.....	3
MANF 1100	MATERIALS AND PROCESSES.....	3
TECH 1100	TECHNOLOGY AND SOCIETY	3
TECH 1104	TECHNOLOGY DESIGN & PROBLEM SOLVING	3
TECH 1108	ENGINEERING GRAPHICS I.....	3
TECH 1150	CONTROL TECHNOLOGY.....	3
TECH 2202	TRANSPORTATION I	4
TECH 2203	MANUFACTURING I	4
TECH 2204	CONSTRUCTION	4
TECH 3301	COMMUNICATION.....	4

**BACHELOR OF ARTS IN EDUCATION:
SPECIALIZATION IN TECHNOLOGY
EDUCATION, 5-ADULT*128+ SEM HRS.**

*Depending on which of the second specializations is selected.

Technology Education Curriculum (see below).....	32
General Studies Requirements	30
(See "Degree Requirements" for General Studies requirements not completed through the major)	
Professional Education Courses	36
Additional Specialization	HOURS WILL VARY

Students who choose this specialization must have an additional one to complete their BA degree.

• Technology Education Curriculum32 SEM. HRS.

Required Courses (32 hrs.)

MANF 1100	MATERIALS AND PROCESSES.....	3
TECH 1104	TECHNOLOGY DESIGN & PROBLEM SOLVING	3
TECH 1150	CONTROL TECHNOLOGY.....	3
TECH 2203	MANUFACTURING I.....	4
TECH 3301	COMMUNICATION.....	4
TECH 3303	TRANSPORTATION II	4
TECH 3304	CONSTRUCTION II.....	4
TECH 3331	ORGANIZATION AND ADMINISTRATION OF TECH ED..4	
TECH 4431	METHODS AND MATERIALS FOR TEACHING TECH. ED..3	

• Professional Education39 SEM. HRS.

EDUC 2200	INTRO TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

TECHNOLOGY

MINOR IN TECHNOLOGY23 SEM. HRS.

Required Courses (15 hrs.)

ELEC	1100	CIRCUIT ANALYSIS I	3
TECH	1108	ENGINEERING GRAPHICS I	3
MANF	1100	MATERIALS AND PROCESSES.....	3
MANF	2250	TOTAL QUALITY AND SPC	3
SFTY	1100	SAFETY & ENVIR COMPONENTS OF INDUSTRY	3

Electives (8 hrs.)

Technology Electives (advisor approved) (8 hrs)



Programs of Study

School of Business

Dr. Richard Harvey, Dean
111A Jaynes Hall / (304) 367-4261
FAX: (304) 367-4613
Richard.Harvey@fairmontstate.edu

FACULTY

ALSHALLAH, MOHAMED (1988)
Associate Professor of Economics/Business
Administration

BLANKENSHIP, JOSEPH (2008)
Coordinator, School of Business IBM Program
Associate Professor of Information Systems Management
Graduate Faculty

CASELL, MACGORINE (1992)
Professor of Business Administration
Graduate Faculty

ENGBRETSON, JEAN CPA (2008)
Professor of Accounting

FANTASIA, GINA (2011)
Director, University Business Center
Graduate Faculty

FLOYD, JANET L. (2014)
Instructor of Business Administration

GAILEY, EDWARD (2007)
MBA Program Director
Associate Professor of Business Administration
Graduate Faculty

GIORCELLI, REBECCA (2005)
Assessment Coordinator for the School of Business
Associate Professor of Information Systems Management
Graduate Faculty

GODFREY, AMY F. (2012)
Assistant Professor of Economics

HARVEY, RICHARD (1988)
Dean, School of Business
Professor of Finance/Business Law
Graduate Faculty

HINTON, GREGORY T. (1989)
Senior Professor of Business Law

KHALIL, MOHAMAD A. (1988)
Coordinator of Business Administration
Senior Professor of Business Administration
Graduate Faculty

KIRBY, JACK R. (2001)
Associate Provost for Academic Affairs
Director of Graduate Studies
Associate Professor of Business Administration
Graduate Faculty

KREMER, JOSEPH (2012)
Assistant Professor of Finance
Graduate Faculty

LEE, CHEON-PYO (FRANK) (2009)
Associate Professor of Information Systems Management
Graduate Faculty

MUTO, LEISA, CPA (2014)
Assistant Professor of Accounting

OXLEY, TIMOTHY (2008)
Associate Dean of the School of Business
Associate Professor of Business
Graduate Faculty

SURENDRAN, SUNIL (1994)
Professor of Marketing and Management
Graduate Faculty

WEAVER, ROBERT C. (1988)
Coordinator of Management and Marketing
Associate Professor of Management and Marketing

INTRODUCTION

The School of Business offers Bachelor of Science Degrees in Accounting, Business Administration, and Information Systems Management. Concentrations within the Business Administration degree include: Management, Finance, General Business, Marketing and Sport Management.

School of Business Degree recipients are not required to select a minor field of study, but are encouraged to do so. Combinations with regard to major and minor are restricted; students must consult the Catalog or their advisor when selecting a minor. A major and a minor in the same academic field are not permitted. Duplicate credit may be earned only for courses that are specifically required in both the major and minor. Economics 2200 cannot be substituted for Economics 2201 in meeting the School's major, minor or general studies requirements.

Courses offered by the School of Business may be found under the headings of Accounting, Business, Economics, Finance, (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 Business School office, as well as on its website.

ACCOUNTING

The accounting curriculum has been designed to offer an integrated educational experience in the sub-disciplines 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 semester 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 WVSOA. The 150 credit hour program is available through the School of Business. 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 WVSOA requirements.

BACHELOR OF SCIENCE IN

ACCOUNTING	120 SEM. HRS.
Business Core.....	45 SEM. HRS.
Accounting Curriculum (see below).....	36 SEM. HRS.
General Studies Requirements (see below)	33 SEM. HRS.
Free Electives.....	6 SEM. HRS.

- Business Core..... 45 SEM. HRS.

BSBA 2201	PRINCIPLES OF ACCOUNTING I.....	3
BSBA 2202	PRINCIPLES OF ACCOUNTING II.....	3
BISM 2200	BUSINESS INFORMATION TOOLS	3
BISM 2800	CORPORATE COMMUNICATIONS AND TECHNOLOGY ..	3
BISM 3200	MANAGEMENT INFORMATION SYSTEMS.....	3
BSBA 3306	BUSINESS LAW I	3
BSBA 3310	BUSINESS AND ECONOMIC STATISTICS.....	3
BSBA 3320	INTERNATIONAL BUSINESS	3
BSBA 4415	STRATEGIC MANAGEMENT AND POLICY	3
BSBA 4420	BUSINESS ETHICS AND CORPORATE ACCOUNTABILITY	3
BSBA 2211	ECONOMIC PRINCIPLES & PROBLEMS I	3
BSBA 2212	ECONOMIC PRINCIPLES & PROBLEMS II	3
BSBA 2221	INTRODUCTION TO FINANCIAL MANAGEMENT	3
BSBA 2209	PRINCIPLES OF MANAGEMENT	3
BSBA 2204	PRINCIPLES OF MARKETING.....	3
MATH* 1112	COLLEGE ALGEBRA (OR HIGHER MATH) GENERAL STUDIES	

* Students planning to enter a graduate program in business are strongly encouraged to take MATH 1190 (Calculus I) in lieu of MATH 1112. MATH 1112 also fulfills a general studies requirement.

- Accounting Curriculum.....36 SEM. HRS.

Required Courses (36 hrs.)

ACCT 3301	INTERMEDIATE ACCOUNTING I	3
ACCT 3302	INTERMEDIATE ACCOUNTING II	3
ACCT 3325	INTERMEDIATE ACCOUNTING III	3
ACCT 3330	ADVANCED ACCOUNTING I.....	3
ACCT 3331	ADVANCED ACCOUNTING II.....	3
ACCT 3350	ACCOUNTING INFORMATION SYSTEMS	3
ACCT 4404	COST ACCOUNTING.....	3
ACCT 4405	AUDITING	3
ACCT 4406	FEDERAL INCOME TAX ACCOUNTING: INDIVIDUAL.....	3
ACCT 4407	FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP AND CORPORATION	3
ACCT 4410	CASE STUDIES IN ACCOUNTING	3
BSBA 3307	BUSINESS LAW II	3

- General Studies Requirements:

Attribute IA – Critical Analysis:	
BISM 2200 (Satisfied in Business Core)	X
Attribute IB – Quantitative Literacy:	
MATH 1112 or higher in IB (required by major).....	3
Attribute IC – Written Communication:	
ENGL 1104	3
Attribute ID – Teamwork:	
BSBA 2209 (Satisfied in Business Core)	X
Attribute IE – Information Literacy:	
ENGL 1108	3

Attribute IF – Technology Literacy:	
BISM 1200	3
Attribute IG – Oral Communication:	
COMM 2202 (preferred) or 2200 or 2201	3
Attribute III – Citizenship:	
ANY COURSE LISTED IN ATTRIBUTE III	3
Attribute IV – Ethics:	
BSBA 4420 (Satisfied in Business Core)	X
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
ANY COURSE LISTED IN ATTRIBUTE VI	3
Attribute VIIA – Arts:	
ANY COURSE LISTED IN ATTRIBUTE VIIA	3
Attribute VIIB – Humanities:	
ANY COURSE LISTED IN ATTRIBUTE VIIB	3
Attribute VIIC – Social Sciences:	
BSBA 2211 (Satisfied in Business Core)	X
Attribute VIID - Natural Science:	
ANY COURSE LISTED IN ATTRIBUTE VIID.....	4
Attribute VIII – Cultural Awareness:	
BSBA 3320 (Satisfied in Business Core)	X
Additional General Studies Hours:	
BISM 2800 – Writing Intensive Course	X

MINOR IN ACCOUNTING 18 SEM. HRS.

BSBA 2201 PRINCIPLES OF ACCOUNTING I.....	3
BSBA 2202 PRINCIPLES OF ACCOUNTING II.....	3

Select 12 hours from the following courses:

ACCT 3301/02 INTERMEDIATE ACCOUNTING I, II.....	6
ACCT 3330/31* ADVANCED ACCOUNTING I, II.....	3
ACCT 3350 ACCOUNTING INFORMATION SYSTEMS	3
ACCT 4404 COST ACCOUNTING.....	3
ACCT 4405* AUDITING	3
ACCT 4406 FEDERAL INCOME TAX ACCOUNTING: INDIVIDUAL.....	3
ACCT 4407 FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP & CORPORATION.....	3

*ACCT 3302 - Intermediate Accounting II is a prerequisite for this course.

BUSINESS ADMINISTRATION

The Bachelors of Science in Business Administration degree provides the graduate with skills and knowledge for employment in a wide variety of contemporary organizations and/or for further study in their field of concentration. Students may choose an area of concentration from Finance, General Business, Management, Marketing or Sport Management.

In addition to their concentration curricula, Business Administration students must complete the business core which provides students with knowledge across several functional areas.

Students augment their Business Administration curriculum through completion of the general studies outcomes by taking courses approved to meet each of the attributes. Though several business core courses enable a student to also meet some of the attributes, students may choose courses of interest to them in completing the remaining attributes.

• Business Core.....45 SEM. HRS.

BSBA 2201 PRINCIPLES OF ACCOUNTING I.....	3
BSBA 2202 PRINCIPLES OF ACCOUNTING II.....	3
BISM 2200 BUSINESS INFORMATION TOOLS	3
BISM 2800 CORPORATE COMMUNICATIONS AND TECHNOLOGY..	3
BISM 3200 MANAGEMENT INFORMATION SYSTEMS.....	3
BSBA 3306 BUSINESS LAW I	3
BSBA 3310 BUSINESS AND ECONOMIC STATISTICS.....	3
BSBA 3320 INTERNATIONAL BUSINESS	3
BSBA 4415 STRATEGIC MANAGEMENT AND POLICY	3
BSBA 4420 BUSINESS ETHICS AND CORPORATE ACCOUNTABILITY	3
BSBA 2211 ECONOMIC PRINCIPLES & PROBLEMS I	3
BSBA 2212 ECONOMIC PRINCIPLES & PROBLEMS II	3
BSBA 2221 INTRODUCTION TO FINANCIAL MANAGEMENT.....	3
BSBA 2209 PRINCIPLES OF MANAGEMENT.....	3
BSBA 2204 PRINCIPLES OF MARKETING.....	3
MATH* 1112 COLLEGE ALGEBRA (OR HIGHER MATH) GENERAL STUDIES	

* Students planning to enter a graduate program in business are strongly encouraged to take MATH 1190 (Calculus I) in lieu of MATH 1112. MATH 1112 also fulfills a general studies requirement.

• General Studies Requirements:

Attribute IA – Critical Analysis:	
BISM 2200 (Satisfied in Business Core)	X
Attribute IB – Quantitative Literacy:	
MATH 1112 or higher in IB (required by major).....	3
Attribute IC – Written Communication:	
ENGL 1104	3
Attribute ID – Teamwork:	
BSBA 2209 (Satisfied in Business Core)	X
Attribute IE – Information Literacy:	
ENGL 1108	3
Attribute IF – Technology Literacy:	
BISM 1200	3
Attribute IG – Oral Communication:	
COMM 2202 (preferred) or 2200 or 2201	3
Attribute III – Citizenship:	
ANY COURSE LISTED IN ATTRIBUTE III	3
Attribute IV – Ethics:	
BSBA 4420 (Satisfied in Business Core)	X
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
ANY COURSE LISTED IN ATTRIBUTE VI	3
Attribute VIIA – Arts:	
ANY COURSE LISTED IN ATTRIBUTE VIIA	3
Attribute VIIB – Humanities:	
ANY COURSE LISTED IN ATTRIBUTE VIIB	3
Attribute VIIC – Social Sciences:	
BSBA 2211 (Satisfied in Business Core)	X
Attribute VIID - Natural Science:	
ANY COURSE LISTED IN ATTRIBUTE VIID.....	4
Attribute VIII – Cultural Awareness:	
BSBA 3320 (Satisfied in Business Core)	X
Additional General Studies Hours:	
BISM 2800 – Writing Intensive Course	X

FINANCE

The Finance curriculum 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.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: FINANCE120 SEM. HRS.
 Business Core..... 45 SEM. HRS.
 Finance Curriculum (see below).....21 SEM. HRS.
 General Studies Requirements33 SEM. HRS.
 Free Electives.....21 SEM. HRS.

- Finance Curriculum21 SEM. HRS.

Required Courses (21 hrs.)

BSBA	3307	BUSINESS LAW II	.....3
FINC	3307	PERSONAL FINANCE	.....3
FINC	3350	INVESTMENTS	.....3
FINC	3384	BANK MANAGEMENT	.....3
FINC	3385	ANALYZING FINANCIAL STATEMENTS	.....3
FINC	4410	MANAGERIAL FINANCE	.....3
FINC	4412	PC APPLICATIONS FOR MANAGERIAL FINANCE	.....3

MINOR IN FINANCE * 18 SEM. HRS.

Required Courses

BSBA	2221	INTRODUCTION TO FINANCIAL MANAGEMENT	.....3
FINC	4410	MANAGERIAL FINANCE	.....3

Select 12 hours from the following courses:

FINC	3307	PERSONAL FINANCE	.....3
FINC	3350	INVESTMENTS	.....3
FINC	3384	BANK MANAGEMENT	.....3
FINC	3385	ANALYZING FINANCIAL STATEMENTS	.....3
FINC	4412	PC APPLICATIONS FOR MANAGERIAL FINANCE	.....3

*A non-business major must also complete BSBA 2201, Principles of Accounting I, to meet the requirements for a Finance minor.

GENERAL BUSINESS

The General 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.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: GENERAL BUSINESS

(General emphasis) 120 SEM. HRS.
 Business Core..... 45 SEM. HRS.
 General Curriculum (see below) 18 SEM. HRS.
 General Studies Requirements33 SEM. HRS.
 Free Electives.....24 SEM. HRS.

- General Curriculum 18 SEM. HRS.

This emphasis is flexible so that students may tailor their programs to their particular interests. With guidance from a faculty advisor and approval by the Dean of the Business School, students will determine a program of 18 credit hours of 3000 or 4000 level business courses that will fulfill their needs and objectives.

MINOR IN GENERAL BUSINESS21 SEM. HRS.

This minor is available to NON-BUSINESS majors only.

Required Courses

BSBA	2201	PRINCIPLES OF ACCOUNTING I	.....3
BISM	3200	MANAGEMENT INFORMATION SYSTEMS	.....3
BSBA	3306	BUSINESS LAW I	.....3
BSBA	2200	ECONOMICS	.....3
BSBA	2221	INTRODUCTION TO FINANCIAL MANAGEMENT	.....3
BSBA	2209	PRINCIPLES OF MANAGEMENT	.....3
BSBA	2204	PRINCIPLES OF MARKETING	.....3

MANAGEMENT

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.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: MANAGEMENT120 SEM. HRS.

Business Core.....45 SEM. HRS.
 Management Curriculum (see below).....24 SEM. HRS.
 General Studies Requirements33 SEM. HRS.
 Free Electives..... 18 SEM. HRS.



• Management Curriculum24 SEM. HRS.

Required Courses (12 hrs.)

MGMT 3308	HUMAN RESOURCE MANAGEMENT.....	3
MGMT 3390	ORGANIZATIONAL BEHAVIOR	3
MGMT 4402	ORGANIZATIONAL CHANGE & DEVELOPMENT	3
MGMT 4405	OPERATIONS MANAGEMENT	3
-OR -		
MGMT 4409	QUANTITATIVE MANAGEMENT	3

Electives (12 hrs.)

Select 12 hours from the following list:

BSBA 3300	ENTREPRENEURSHIP.....	3
BSBA 3307	BUSINESS LAW II	3
BSBA 3319	EMPLOYMENT LAW	3
BSBA 4405	ENTREPRENEURIAL LEADERSHIP	3
FINC 3315	VENTURE FINANCE.....	3
FINC 4410	MANAGERIAL FINANCE.....	3
MGMT 3350	SMALL BUSINESS MANAGEMENT	
MGMT 3370	COMPENSATION AND BENEFITS.....	3
MGMT 3371	EMPLOYEE RELATIONS	3
MGMT 3372	HR SELECTION AND EVALUATION.....	3
MGMT 4400	ORGANIZATIONAL THEORY AND DESIGN	3
*MGMT4405	OPERATIONS MANAGEMENT	3
*MGMT4409	QUANTITATIVE MANAGEMENT	3
MKTG 3305	SUPPLY CHAIN MANAGEMENT	3

*These courses can only be counted once within this concentration.

MARKETING

The Marketing program 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.

NOTE: The minor in Retail Management cannot be used to fulfill a minor requirement when the concentration is Marketing.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: MARKETING	120 SEM. HRS.
Business Core.....	45 SEM. HRS.
Marketing Curriculum (see below).....	18 SEM. HRS.
General Studies Requirements	33 SEM. HRS.
Free Electives.....	24 SEM. HRS.

• Marketing Curriculum 18 SEM. HRS.

Required Courses (6 hrs)

MKTG 3340	MARKETING RESEARCH	3
MKTG 4450	MARKETING MANAGEMENT	3

Electives (12 hrs.)

(Select 12 out of 16 hours)

MKTG 3400	SALESMANSHIP & SALES MANAGEMENT	3
MKTG 3305	SUPPLY CHAIN MANAGEMENT	3
MKTG 3310	CONSUMER BEHAVIOR.....	3
MKTG 3320	ADVERTISING AND SALES PROMOTION.....	3
MKTG 3500	NEW PRODUCT DECISIONS.....	3

SPORT MANAGEMENT

The curriculum of the Sport Management program incorporates not only the principles of marketing and management but also the knowledge of sporting activities. The curriculum focuses on the business of sports and produces graduates who understand sound business principles. Students completing the B.S. in Business Administration degree with a concentration in sport management will be able to compete with graduates of most colleges and universities for positions in promotion and event management, sales administration, sports marketing, health resorts, wellness centers and country clubs. The sport management concentration consists of a sport management core in addition to the business core.

BACHELOR OF SCIENCE IN BUSINESS

ADMINISTRATION: SPORT

MANAGEMENT	120 SEM. HRS.
General Studies Requirement	31 SEM. HRS.
Sport Management Core Requirement	23 SEM. HRS.
Business Core (including MATH 1112)	48 Sem. HRS.
Free Electives.....	18 SEM. HRS.

• Sport Management Curriculum 23 SEM. HRS.

BSBA 3307	BUSINESS LAW II	3 SEM. HRS.
MGMT 3308	HUMAN RESOURCE MANAGEMENT.....	3 SEM. HRS.
MGMT 3390	ORGANIZATIONAL BEHAVIOR	3 SEM. HRS.
MKTG 3310	CONSUMER BEHAVIOR.....	3 SEM. HRS.
PHED 2210	INTRODUCTION TO SPORT MANAGEMENT .	3 SEM. HRS.
PHED 3318	SPORT SOCIAL PSYCHOLOGY	2 SEM. HRS.
PHED 3356	ADMINISTRATION & COACHING OF SPORT	3 SEM. HRS.
PHED 3398	SPORT MANAGEMENT INTERNSHIP	3 SEM. HRS.

INFORMATION SYSTEMS MANAGEMENT

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.

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS MANAGEMENT.....120 SEM. HRS.

Information Systems Management Curriculum (see below)63 SEM. HRS.

General Studies Requirements.....42 SEM. HRS.

Free Electives.....15 SEM. HRS.

- Information Systems Management Curriculum.....63 SEM. HRS.

Required Courses (63 hrs.)

BSBA	2201	PRINCIPLES OF ACCOUNTING I.....	3
BSBA	2202	PRINCIPLES OF ACCOUNTING II.....	3
BISM	2200	BUSINESS INFORMATION TOOLS.....	3
BISM	2400	OPERATING SYSTEMS CONCEPTS.....	3
BISM	2600	INTRODUCTION TO NETWORKING ADMINISTRATION ..	3
BISM	2800	CORPORATE COMMUNICATIONS AND TECHNOLOGY..	3
BISM	3000	BUSINESS PROGRAMMING LOGIC.....	3
BISM	3200	MANAGEMENT INFORMATION SYSTEMS.....	3
BISM	3400	DATABASE DESIGN AND DEVELOPMENT.....	3
BISM	3600	E-COMMERCE AND WEB DEVELOPMENT STRATEGY....	3
BISM	3800	OBJECT-ORIENTED BUSINESS APPLICATIONS.....	3
BISM	4000	GLOBAL, ECONOMIC, ETHICAL, AND SOCIAL IS.....	3
BISM	4200	SYSTEMS ANALYSIS AND DESIGN.....	3
BISM	4400	CURRENT TOPICS IN INFORMATION SYSTEMS.....	3
BISM	4800	INFORMATION SYSTEMS PROJECT MANAGEMENT....	3
BSBA	3306	BUSINESS LAW I.....	3
BSBA	3310	BUSINESS AND ECONOMICS STATISTICS.....	3
BSBA	2211	ECONOMIC PRINCIPLES AND PROBLEMS I.....	3
GENERAL STUDIES			
BSBA	2212	ECONOMIC PRINCIPLES AND PROBLEMS II.....	3
BSBA	2221	INTRODUCTION TO FINANCIAL MANAGEMENT.....	3
BSBA	2204	PRINCIPLES OF MARKETING.....	3
BSBA	2209	PRINCIPLES OF MANAGEMENT.....	3
MATH	1112	COLLEGE ALGEBRA (OR HIGHER MATH) GENERAL STUDIES	

- General Studies Requirements:

Attribute IA – Critical Analysis:	
BISM 2200 (Satisfied in Major Courses).....	X
Attribute IB – Quantitative Literacy:	
MATH 1112 or higher in IB (required by major).....	3
Attribute IC – Written Communication:	
ENGL 1104.....	3
Attribute ID – Teamwork:	
BSBA 2209 (Satisfied in Major Courses).....	X
Attribute IE – Information Literacy:	
ENGL 1108.....	3
Attribute IF – Technology Literacy:	
BISM 1200.....	3
Attribute IG – Oral Communication:	
COMM 2202 (preferred) or 2200 or 2201.....	3
Attribute III – Citizenship:	
ANY COURSE LISTED IN ATTRIBUTE III.....	3
Attribute IV – Ethics:	
ANY COURSE LISTED IN ATTRIBUTE IV.....	3
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
ANY COURSE LISTED IN ATTRIBUTE VI.....	3

Attribute VIIA – Arts:	
ANY COURSE LISTED IN ATTRIBUTE VIIA.....	3
Attribute VIIB – Humanities:	
ANY COURSE LISTED IN ATTRIBUTE VIIB.....	3
Attribute VIIC – Social Sciences:	
BSBA 2211 (required by major).....	3
Attribute VIID - Natural Science:	
ANY COURSE LISTED IN ATTRIBUTE VIID.....	4
Attribute VIII – Cultural Awareness:	
ANY COURSE LISTED IN ATTRIBUTE VIII.....	3
Additional General Studies Hours:	
BISM 2800 – Writing Intensive Course.....	X

MINOR IN INFORMATION SYSTEMS MANAGEMENT.....21 SEM. HRS.

Required Courses

BISM	1200	INTRODUCTION TO COMPUTING.....	3
BISM	2200	BUSINESS INFORMATION TOOLS.....	3
BISM	2800	CORPORATE COMMUNICATIONS AND TECHNOLOGY..	3
BISM	3200	MANAGEMENT INFORMATION SYSTEMS.....	3

Select 9 hours from the following courses:

ACCT	3350	ACCOUNTING INFORMATION SYSTEMS.....	3
BISM	2400	OPERATING SYSTEMS CONCEPTS.....	3
BISM	2600	INTRODUCTION TO NETWORKING ADMINISTRATION ..	3
BISM	3000	BUSINESS PROGRAMMING LOGIC.....	3
BISM	3400	DATABASE DESIGN AND DEVELOPMENT.....	3
BISM	3600	E-COMMERCE AND WEB DEVELOPMENT STRATEGY....	3
BISM	3800	OBJECT-ORIENTED BUSINESS APPLICATIONS.....	3
BISM	4000	GLOBAL, ECONOMIC, ETHICAL, AND SOCIAL IS.....	3
BISM	4200	SYSTEMS ANALYSIS AND DESIGN.....	3
BISM	4300	BUSINESS INTELLIGENCE.....	3
BISM	4400	CURRENT TOPICS IN INFORMATION SYSTEMS.....	3
BISM	4900	INTERNSHIP IN INFORMATION SYSTEMS.....	3

Recommended tracks for the Information Systems Management Minor:

IT MANAGEMENT FOCUS

BISM	2400	OPERATING SYSTEMS CONCEPTS
BISM	2600	INTRODUCTION TO NETWORKING ADMINISTRATION
BISM	4900	INTERNSHIP IN IS (MUST COMPLETE AN IT-FOCUSED INTERNSHIP PROJECT AS APPROVED BY ISM FACULTY)

E-COMMERCE FOCUS

BISM	3000	BUSINESS PROGRAMMING LOGIC
BISM	3400	DATABASE DESIGN AND DEVELOPMENT
BISM	3600	E-COMMERCE AND WEB DEVELOPMENT STRATEGY

PROGRAMMING FOCUS

BISM	3000	BUSINESS PROGRAMMING LOGIC
BISM	3400	DATABASE DESIGN AND DEVELOPMENT
BISM	3800	OBJECT-ORIENTED BUSINESS APPLICATIONS

IS BUSINESS MANAGEMENT FOCUS

BISM	4000	GLOBAL, ECONOMIC, ETHICAL & SOCIAL IS
BISM	4300	BUSINESS INTELLIGENCE
BISM	4400	CURRENT TOPICS IN INFORMATION SYSTEMS

ACCOUNTING INFORMATION SYSTEMS FOCUS

ACCT	3350	ACCOUNTING INFORMATION SYSTEMS
BISM	4000	GLOBAL, ECONOMIC, ETHICAL & SOCIAL IS
BISM	4400	CURRENT TOPICS IN IS (ACCOUNTING/FINANCE IS ISSUE)

GENERAL INFORMATION SYSTEMS FOCUS

ANY COMBINATION OF ADDITIONAL 9 HOURS FROM THE ISM
MINOR COURSE LIST

Please refer to course descriptions for prerequisite information
for courses listed above.

ADDITIONAL BUSINESS MINORS

MINOR IN RETAIL MANAGEMENT 18 SEM. HRS.

Required Courses (18 hrs.)

MGMT	3350	SMALL BUSINESS MANAGEMENT FUNDAMENTALS.....	3
MGMT	3308	HUMAN RESOURCE MANAGEMENT.....	3
BSBA	2204	PRINCIPLES OF MARKETING.....	3
MKTG	3305	SUPPLY CHAIN MANAGEMENT	3
MKTG	3320	ADVERTISING AND SALES PROMOTION.....	3
MKTG	3400	SALESMANSHIP AND SALES MANAGEMENT	



Programs of Study

School of Education, Health and Human Performance

Dr. Carolyn Crislip-Tacy, Interim Dean
345 Education Building / (304) 367-4143
Carolyn.Crislip-Tacy@fairmontstate.edu

Dr. Paul Reneau, Interim Associate Dean
Department of Health and Human Performance
305 Feaster Center / (304) 367-4148
Paul.Reneau@fairmontstate.edu

Dr. Jaci Webb-Dempsey, Interim Associate Dean
Department of Education
349 Education Building / (304) 367-4272
Jaci.Webb-Dempsey@fairmontstate.edu

FACULTY

BAKER, WARREN (1992)
Assistant Professor of Education

BERRYHILL, PHILIP (1990)
Professor of Education
Graduate Faculty

BROWN, JESSICA (2013)
Assistant Professor of Exercise Science

CRISLIP-TACY, CAROLYN S. (1984)
Interim Dean of the School of Education
Professor of Physical Education

HESS, RANDY (1982)
Assistant Professor of Physical Education

HILL, LARRY L. (1968)
Assistant Professor of Physical Education

HUMBERT, ROXANN (2001)
Associate Professor of Education
Graduate Faculty

JONES, GWENDOLYN R. (2003)
Professor of Education
Graduate Faculty

KIEFER, KRISTI A. (1994)
Assistant Professor of Physical Education

KIGER, JAN H. (2013)
Instructor of Recreation

LAVORATA, CHRISTINA M. (1999)
Provost and VP, Academic Affairs
Associate Professor of Education
Graduate Faculty

LEARY, JANIE M. (2013)
Assistant Professor of Community Health

LINDSTROM, DENISE (2008)
Assistant Professor of Digital Media &
Instructional Technology

MCCLURE, NANCY C. (1998)
Director, Gaston Caperton Center
Professor of Education
Graduate Faculty

METCALF, AMANDA (2013)
Assistant Professor of Physical Education

MICHAEL, BEVERLY (2004)
Assistant Professor of School Health

MORROOSE, DONALD A. (1969)
Professor/Senior Level: Education
Graduate Faculty

MORPHEW, VALERIE (2000)
Professor of Education
Graduate Faculty

OWENS, BARBARA (2005)
Director, FSU PDS Partnership and Clinical
Experiences

PRICE, JEREMY (2013)
Assistant Professor of Digital Media & Instructional
Technology

RENEAU, JULIE (2009)
Assistant Professor of Special Education
Graduate Faculty

RENEAU, PAUL D. (2002)
Interim Associate Dean, Health & Human Performance
Professor of Exercise Science
Graduate Faculty

ROSS, SUSAN M. (2014)
Assistant Professor of Physical Education

RYAN, MICHAEL (2009)
Assistant Professor of Exercise Science
Graduate Faculty

SAPP, G. H. BUDD (1997)
Professor of Education
Graduate Faculty

SIDWELL, AMY M. (2011)
Assistant Professor of Health and Physical Education
Graduate Faculty

SMITH, CRYSTAL (2014)
Assistant Professor of Special Education
Graduate Faculty

SMITH, SHARON (2005)
Professor of Education
Graduate Faculty

TANNOUS, CAROL A. (2006)
Director of Destination Education

WEBB-DEMPSEY, JACI (2008)
Interim Associate Dean, Education
Professor of Education
Graduate Faculty

INTRODUCTION

The University believes that adequate preparation for teaching requires a rich and comprehensive experience in general education and a concentration in at least one academic specialization.

The School of Education (SoE) mission is to prepare reflective and responsive educators who possess the knowledge, skills, and dispositions to help all students learn. This mission is integrated across the curriculum, field experiences, clinical practice, and assessments of candidates. The conceptual framework (CF) provides the structure and guiding principles that are necessary to accomplish this mission. The five West Virginia Professional Teaching Standards (WVPTS) and their respective functions 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 CF representing themes that are integrated throughout the unit's programs. Demonstrated competencies in the standards/functions empower candidates to function as reflective and responsive educators. The CF is based on research about effective teaching and learning best practices that apply to teacher candidates at the initial level as well as accomplished teachers at the advanced level. The CF and the WVPTS also are central guiding elements of the FSU Professional Development School (PDS) Partnership that provides a critical structure and context for teacher education and educator professional development.

DESTINATION EDUCATION PROGRAM

This unique program provides academic and social/emotional support services for first and second year students in the School of Education and Health & Human Performance. This program includes a discipline-specific summer orientation, welcome week group meetings, town meetings, social activities, and 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.

PRE-ADMISSION REQUIREMENTS TO TEACHER EDUCATION

Any student may enroll in EDUC 2200, Introduction to Education, or EDUC 2201, Instructional Technology. While enrolled in EDUC 2200, teacher candidates will complete a "Declaration of Intent" to the Dean of Teacher Education 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

Students are expected to apply for admission to teacher education via TaskStream once 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.

Field Experience 1 & Pre-Admission Requirements

The Teacher Education Program at Fairmont State University includes an Early Field Experience (EFE) 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 University the School 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 <http://crede.berkeley.edu>.

Potential program candidates will complete two early field experiences between the first day of class freshman year to the last day of class in the semester of admission to Teacher Education (usually second semester sophomore year). Both field experiences must be pre-approved by the teacher education program and include:

- One field experience (EFE – Community) where the student self-selects a site for the experience. (This experience could be paid or volunteer and be completed at home, in high school, in community agencies, over breaks or summer.)
- A second field experience where students are placed in a Professional Development School (PDS) site. PDS sites are schools that formally partner with Fairmont State University. (A list of these schools is available on the website for the School of Education, Health and Human Performance.)

EFE Community must be a minimum of 30 clock hours scheduled over at least 5 separate visits to the site. The PDS-based experiences must total a minimum of 20 clock hours scheduled over at least 5 days. Students will be asked to complete an evaluation of their experience in each setting. The experience completion schedule includes:

- Any early field experience initiated in the fall semester must be completed, and all documentation submitted in TaskStream by the last day of final exams of that semester.
- Any early field experience initiated in the spring semester must be completed, and all documentation submitted in TaskStream by the last day of final exams of that semester.
- Any early field experience initiated in the summer (after the last scheduled exam of the spring semester) must be completed and all documentation submitted by Friday of the first week of class of the subsequent fall semester.

Transfer students must complete this sequence; any substitute experiences completed at another institution must meet the same outcomes as outlined above, and must be approved as having met Fairmont State University 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 School 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 National Council for Accreditation of Teacher Education (NCATE) 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 Teting

Fairmont State University 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 School of Education web site.

BACHELOR OF ARTS IN EDUCATION

The General Studies requirement for FSU teacher education students differs for elementary and middle/adolescent education programs; however, each consists of a minimum of 42 credit hours distributed over humanities, mathematics, natural sciences and physical education and health. The General Studies 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 128 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 set up for the curriculum and teaching specialization(s) elected;
- 4) achieve acceptable scores on the CORE;
- 5) achieve a minimum grade of "C" or better in all EDUC classes.

- 4) English.....5-Adult
- 5) General Science.....5-Adult
- 6) Health.....5-Adult
- 7) Journalism.....5-Adult
- 8) Mathematics.....5-Adult
- 9) General Mathematics through Algebra I*..... 5-9
- 10) Music..... Pre K-Adult
- 11) Oral Communication.....5-Adult
- 12) Physical Education..... Pre K-Adult
- 13) Physics.....9-Adult
- 14) Social Studies.....5-Adult
- 15) Spanish..... Pre K-Adult
- 16) Technology Education.....5-Adult
- 17) Technology Education..... Comprehensive 5-Adult
- 18) Theatre Education..... Pre K-Adult

*requires second specialization for 5-Adult, 9-Adult, or Pre K-Adult

TEACHING CURRICULA

Fairmont State University 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 PPST, 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

TEACHING SPECIALIZATION AREAS

Elementary

Optional specializations which may be combined with Elementary Education are as follows:

- 1) General Mathematics through Algebra I (5-9)
- 2) Spanish (Pre K-Adult)

Pre-K-Adult Programs (Secondary)

For course requirements in each specialization, refer to the chapter for the desired subject (e.g.: for Business Education, see the School of Business Catalog Section). Secondary special methods and student teaching are required in all areas in order to be licensed. Secondary and Pre K-Adult specializations are also available via the Master of Arts in Teaching program.

- 1) Art..... Pre K-Adult
- 2) Biology.....9-Adult
- 3) Chemistry.....9-Adult

Special Education

Students at Fairmont State University who are interested in obtaining a degree in Education with certification in Special Education may do so by linking their undergraduate and master's degrees. Special Education is a graduate degree program at Fairmont State University. Students can complete a bachelor degree in Education with a certification field and complete a Master of Education degree with an emphasis in Special Education. Undergraduate students who are teacher certification majors and interested in pursuing a degree in Special Education have the opportunity to begin the graduate program by enrolling in a limited number of graduate degree courses during their senior year.

Candidates in this sequence will receive a Bachelor of Arts in Education with an initial teaching certification in a content field or Elementary, and an M.Ed. with certification in Special Education. The process takes approximately five years to complete with some summer school enrollment after the B.A. degree.

To find out more information about this option or the graduate degree Special Education program please contact Diana Dunn, School of Education, Health and Human Performance.

FIELD EXPERIENCE 2 & 3 - POST ADMISSION

Fairmont State University adheres to the requirements of WV State Policy 5100. This policy mandates that each teacher candidate:

Is required to have 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.

The 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 University 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).

EDUC 2265 FIELD EXPERIENCE 2..... 1 CREDIT

This is a one-credit-hour lab that must be completed as a clinical experience in the public school setting. This clinical experience will be 30 clock hours and allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills, and dispositions. This is a co-requisite with EDUC 2260 Instructional Design I.

EDUC 3365 FIELD EXPERIENCE 3..... 2 CREDITS

This is two-credit-hour lab that must be completed as a clinical experience in the public school setting. The clinical experience will be 75 clock hours and allow the teacher candidate the opportunity to apply and reflect on his/her content, professional and pedagogical knowledge, skills and dispositions. In addition, the 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. This is a co-requisite with EDUC 3340 Instructional Design II and EDUC 3351 Inclusive Practices.

CLINICAL EXPERIENCE – STUDENT TEACHING 16 WEEKS

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

**EDUC 4491 ELEMENTARY STUDENT TEACHING
OR
EDUC 4496 SECONDARY STUDENT TEACHING**

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. In addition, an electronic showcase portfolio is developed and presented to PDS and university faculty/personnel.

ADMISSION REQUIREMENTS TO STUDENT TEACHING

In order to enroll in Student Teaching, a teacher candidate must complete the Application packet and meet the requirements listed requirements below:

- All general studies requirements of the University as well as the minimum requirements of the teaching specialization must be completed before Clinical III/ 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 which are marked by an asterisk in this catalog must be completed prior to admission to Student Teaching.
- Be screened through the FBI Sex Offender Registry as per WV State Code 18-5-15C.
- Provide evidence of good moral character and professional dispositions as reflected by positive evaluations from previous field experience evaluations, faculty, advisors, students, and the community.
- Have a grade of “C” or better in all EDUC classes.

PRAXIS II

Successful completion of the appropriate PRAXIS II Specialty Area test(s) and 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 PRAXIS Bulletin for the year in question.

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.

Programs of Study

ELEMENTARY EDUCATION K-6

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades K-6, shall complete the General Studies Requirements, the Elementary Education Program and Professional Studies 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. Some combinations may require more than 16 weeks of student teaching. For specific program requirements and additional specializations, see the section of the catalog for the academic school which offers the program. Ex: for Art Pre K-Adult, see School of Fine Arts.

Optional specializations which may be combined with Elementary Education are as follows. See below for requirements.

- 1) General Mathematics through Algebra I (5-9)
- 2) Spanish (Pre K-Adult)

BACHELOR OF ARTS IN EDUCATION:

ELEMENTARY EDUCATION K-6	123 SEM. HRS.
General Studies Requirements	31 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Elementary Education K-6 Program	53 SEM. HRS.

- Professional Education 39 SEM. HRS.

All courses must be completed prior to Student Teaching.

EDUC 2200	INTRODUCTION TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2	1
EDUC 3330	THE READING PROCESS	3
EDUC 3340	INSTRUCTIONAL DESIGN II	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3	2
EDUC 4485	ACTION RESEARCH	1
EDUC 4486	PORTFOLIO	1
EDUC 4491	ELEMENTARY STUDENT TEACHING	10

- Elementary Education K-6 Program53 SEM. HRS.

ART 3350	ELEMENTARY ART EDUCATION	3
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3332	PEDAGOGY OF LITERACY	3
EDUC 3350	ELEMENTARY SOCIAL STUDIES METHODS	3
ENGL 3354	CHILDREN’S LITERATURE	3
HIST 1108	US HISTORY II	3
HIST 2211	WORLD CIVILIZATIONS I	3
- OR -		
HIST 2212	WORLD CIVILIZATIONS II	3
- OR -		
HIST 2213	WORLD CIVILIZATIONS III	3
HIST 3302	WEST VIRGINIA	3
HLTA 4400	HEALTH EDUCATION FOR THE ELEMENTARY SCHOOL	3
MATH 2251	STRUCTURE OF REAL NUMBERS	3
MATH 2252	DATA ANALYSIS AND GEOMETRY	3
MATH 3353	MATH METHODS FOR ELEMENTARY TEACHERS	3
MUSI 3330	MUSIC IN THE ELEMENTARY CLASSROOM	3
PHED 3326	EARLY PSYCHOMOTOR DEVELOPMENT	3
PHSC 2201	EXOSPHERE	4
PHSC 2202	GEOSPHERE	4
PHSC 4412	SCIENCE IN THE ELEMENTARY SCHOOL	3

- General Studies Requirements34 SEM. HRS.

Attribute IA – Critical Analysis:		
ENGL 1108		3
Attribute IB – Quantitative Literacy:		
MATH 1112		3
Attribute IC – Written Communication:		
ENGL 1104		3
Attribute ID – Teamwork:		
COMM 2200 or 2201		3
Attribute IE – Information Literacy:		
Major Course EDUC 2201		X
Attribute IF – Technology Literacy:		
Major Course EDUC 2201		X
Attribute IG – Oral Communication:		
COMM 2200 or 2201		X
Attribute III – Citizenship:		
POLI 1103		3
Attribute IV – Ethics		
ENGL 2220/21 or 2230/31		3
Attribute V – Health:		
EDUC 2203		X
Attribute VI – Interdisciplinary:		
GEOG 2210		3
Attribute VIIA – Arts:		
ART / MUSI / THEA / INTR 1120		3
Attribute VIIB – Humanities:		
HIST 1107		3
Attribute VIIC – Social Sciences:		
GEOG 2210		X

Attribute VIID – Natural Science:	
BIOL 1104.....	4
Attribute VIII – Cultural Awareness:	
Major Course HIST 2211 / 2212 / 2213	3
Additional General Studies Hours:	
Major Course EDUC 3351	X
(Writing Intensive)	

**OPTIONAL SPECIALIZATIONS
(for Elementary, K-6 only) 19-25 SEM. HRS.**

- A. Subject Specializations Grades 5-9: General
 Mathematics Through Algebra I

Requires Special Methods 4431 in the Grades 5-9 specialization. This course must be taken prior to the semester a student plans to enroll in Student Teaching. Writing intensive course will be taken as a required course.

PRE K-ADULT

Candidates who wish to qualify for teaching in an open or self-contained classroom, grades 5-Adult, shall complete the following program. Candidates electing a comprehensive field 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) 128 MINIMUM

- I. General Studies Requirements (Hours will vary per content area)
- II. Professional Education Courses.....39 SEM. HRS.
- III. Specializations (Hours will vary)

Choose one of the following options.

- a) One comprehensive specialization to teach in grades 5-Adult or 9-Adult the related subjects which comprise the comprehensive specialization.
- b) Two single-subject specializations for grades 5-Adult
- c) One single-subject specialization for grades 5-Adult or 9-Adult and one specialization for grades 5-9
- d) One single specialization for grades 5-Adult or 9-Adult and specialization in either Computer Science Education, Physical Education, School Library-Media, or Spanish Pre K-Adult.

- I. General Studies Requirements:

Each content area will have a list of required, recommended or suggested courses to meet the general studies requirements. This information is listed prior to the required program courses for each teaching field.

- II. Professional Education.....39 SEM. HRS.

EDUC 2200	INTRO. TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I	3
EDUC 2265	FIELD EXPERIENCE 2	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3	2
EDUC 4485	ACTION RESEARCH	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

- III. Specializations

For course requirements in each specialization, refer to the chapter for the desired subject (e.g.: for Business Education, see the School of Business Catalog Section). Secondary special methods and student teaching are required in all areas in order to be licensed. Secondary and Pre K-Adult specializations are also available via the Master of Arts in Teaching program.

ART.....	PRE K-ADULT
BIOLOGY	9-ADULT
CHEMISTRY	9-ADULT
ENGLISH	5-ADULT
GENERAL SCIENCE	5-ADULT
HEALTH.....	5-ADULT
JOURNALISM.....	5-ADULT
MATHEMATICS.....	5-ADULT
GENERAL MATHEMATICS THROUGH ALGEBRA I*	5-9
MUSIC	PRE K-ADULT
ORAL COMMUNICATION	5-ADULT
PHYSICAL EDUCATION	PRE K-ADULT
PHYSICS.....	9-ADULT
SOCIAL STUDIES.....	5-ADULT
SPANISH	PRE K-ADULT
TECHNOLOGY EDUCATION	5-ADULT
TECHNOLOGY EDUCATION COMPREHENSIVE	5-ADULT
THEATRE EDUCATION	PRE K-ADULT

*requires second specialization for 5-Adult, 9-Adult, or Pre K-Adult

MINOR IN EDUCATION FOR B.S., B.A. DEGREE

The School of Education/Health and Human Performance offers a minor for interested bachelor's degree students. It is a valuable option for students who have an interest in teaching in their major field (e.g. math, biology, etc.) in the future but do not wish to pursue teacher certification at this time. Students can complete their major with an education minor during the normal four-year sequence and then return to complete the requirements for becoming licensed to teach in their respective field(s).

Teacher candidates are advised to complete the appropriate Special Methods course in addition to the minor if available, (e.g., Math 4431 for a Math major, ENGL 4431 for an English major, etc.). All course prerequisites, including formal admission to teacher education, are



required for the minor. Interested students should contact the Dean of Teacher Education, who serves as the advisor for the minor.

MINOR IN EDUCATION24 SEM. HRS.

Required Courses (24 hrs.)

EDUC	2200	INTRODUCTION TO EDUCATION	3
EDUC	2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC	2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3
EDUC	2260	INSTRUCTIONAL DESIGN I	3
EDUC	2265	FIELD EXPERIENCE 2	1
EDUC	3331	READING IN THE CONTENT AREAS	3
EDUC	3340	INSTRUCTIONAL DESIGN II	3
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC	3365	FIELD EXPERIENCE 3	2

OTHER PROGRAMS OF STUDY AVAILABLE FROM THE SCHOOL OF EDUCATION

Students interested in the Bachelor of Science degrees listed here must fulfill the General Studies Requirements as outlined in "Degree Requirements" section. Students interested in the Bachelor of Arts in Education programs must fulfill the General Studies Requirements as outlined in this section.

EXERCISE SCIENCE

A Bachelor of Science degree and minor are offered in Exercise Science for students interested in pursuing careers outside teaching.

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.

BACHELOR OF SCIENCE IN EXERCISE SCIENCE120 SEM. HRS.

Exercise Science Curriculum (see below)	48 SEM. HRS.
General Studies Requirements	33 SEM. HRS.
Free Electives.....	39 SEM. HRS.

A minor is not required for this major.

- Exercise Science Curriculum48 SEM. HRS.

Required Courses (48 hrs.)

PHED	1100	FITNESS & WELLNESS	2
PHED	1121	INTRO. SEM. IN HUMAN MOVEMENT.....	2
PHED	2200	ACCIDENT ANALYSIS & EMERGENCY CARE.....	2
PHED	2211	ANATOMY AND PHYSIOLOGY.....	4
PHED	2216	GROUP FITNESS	2
PHED	2218	ADVANCED PERSONAL TRAINING	3
PHED	3312	PHYSIOLOGY OF EXERCISE.....	3
PHED	3313	BIOMECHANICS (FALL ONLY).....	3
PHED	3316	FITNESS ASSESSMENT & EXERCISE PRESCRIPTION (FALL ONLY)	3
PHED	3317	CLINICAL APPLICATIONS OF EXERCISE PHYSIOLOGY (SPRING ONLY)	3
PHED	3318	SPORTS SOCIAL PSYCHOLOGY	2
PHED	4400	RESEARCH METHODS (FALL ONLY).....	3
PHED	4410	RESEARCH DESIGN SEMINAR (SPRING ONLY).....	3
PHED	4420	EXERCISE SCIENCE INTERNSHIP	3
HLTA	1150	INTRODUCTION TO HEALTH.....	3
FOSM	1150	SPORTS NUTRITION	3
CHEM	1101	GENERAL CHEMISTRY I.....	4
-OR-			
PHYS	1101	INTRO TO PHYSICS I.....	4

- General Studies Requirements 33 Sem. Hrs.

Attribute IA – Critical Analysis:

ENGL 1108 or 1109 (hours in IE and/or IF)

Attribute IB – Quantitative Literacy:

MATH 1107 or higher in 1B choices.....

Attribute IC – Written Communication:

ENGL 1104

Attribute ID – Teamwork:

COMM 2200 or 2201

Attribute IE – Information Literacy:

ENGL 1108

Attribute IF – Technology Literacy:

ENGL 1109

Attribute IG – Oral Communication:

COMM 2200 or 2201 (Satisfied in Attribute 1D).....

Attribute III – Citizenship:

HIST 1107 or 1108 or POLI 1103

Attribute IV – Ethics

COMM 2200 or 2201

Attribute V – Health:

PHED 1100.....

Attribute VI – Interdisciplinary:

Any course in VI

Attribute VIIA – Arts:

Any course listed in VIIA

Attribute VIIB – Humanities:

Any course listed in VIIB

Attribute VIIC – Social Sciences:

SOCY 1110 or PSYC 1101

Attribute VIID – Natural Science:

Major Course CHEM 1101 or PHYS 1101

Attribute VIII – Cultural Awareness:

Any course in VIII

Additional General Studies Hours:

Major Course PHED 4410
(Writing Intensive Course)

*Students should complete math requirements early in their academic career. Depending upon their High School preparation and test scores, additional math courses may be required.

*Due to the number of elective hours available students may wish to consider a second major in lieu of a minor.

MINOR IN EXERCISE SCIENCE20 SEM. HRS.

Required Courses (20 hrs.)

PHED 1121	INTRODUCTION TO HUMAN MOVEMENT.....	2
PHED 2211	ANATOMY & PHYSIOLOGY	4
PHED 3312	PHYSIOLOGY OF EXERCISE.....	3
PHED 3313	BIOMECHANICS (FALL ONLY).....	3
PHED 3316	FITNESS ASSESSMENT.....	3
PHED 3318	SPORT SOCIAL PSYCHOLOGY	2
PHED 4400	RESEARCH METHODOLOGY	3

SCHOOL HEALTH EDUCATION

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.

**BACHELOR OF ARTS IN EDUCATION:
SCHOOL HEALTH EDUCATION 5-ADULT
TEACHING SPECIALIZATION120 SEM. HRS.**

Health Education Curriculum (see below) ..	40 SEM. HRS.
General Studies Requirements	39-41 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Free Electives.....	0-2 SEM. HRS.

• **School Health Education Curriculum40 SEM. HRS.**

Required Courses (40 hrs.)

HLTA 1150	INTRODUCTION TO HEALTH	3
HLTA 2202	ENVIRONMENTAL HEALTH	3
HLTA 2203	CONTEMPORARY AND DRUG BEHAVIOR ISSUES.....	3
HLTA 2210	DISEASE ETIOLOGY.....	3
HLTA 3310	SCHOOL HEALTH CONTENT, CURRICULA AND PROGRAMMING	3
HLTA 3315	HEALTHY SEXUALITY	
HLTA 3325	INSTRUCTIONAL STRATEGIES AND PLANNING IN SCHOOLHEALTH	3
HLTA 3355	READINGS IN HEALTH EDUCATION	3
HLTA 3360	COMMUNICATION TECHNIQUES IN HEALTH PROMOTION	2
HLTA 4400	HEALTH EDUCATION IN THE ELEMENTARY SCHOOL.....	3
HLTA 4431	METHODS AND MATERIALS IN SCHOOL HEALTH EDUCATION	3
FOSM 1120	NUTRITION IN CHILDHOOD AND ADOLESCENCE.....	3
PHED 2200	ACCIDENT ANALYSIS & EMERGENCY CARE.....	2
PHED 2211	ANATOMY AND PHYSIOLOGY.....	4

• **Professional Education39 SEM. HRS.**

EDUC 2200	INTRO. TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I.....	3
EDUC 2265	FIELD EXPERIENCE 2	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING.....	10

• **General Studies Requirements**

Attribute IA – Critical Analysis:	
ENGL 1108	3
Attribute IB – Quantitative Literacy:	
MATH 1107 or MATH 1112.....	3
Attribute IC – Written Communication:	
ENGL 1104	3
Attribute ID – Teamwork:	
COMM 2200 or 2201	3
Attribute IE – Information Literacy:	
Major Course EDUC 2201	X
Attribute IF – Technology Literacy:	
Major Course EDUC 2201	X
Attribute IG – Oral Communication:	
COMM 2200 or 2201.....	X
Attribute III – Citizenship:	
Any Course in III	3
Attribute IV – Ethics	
PHIL 3325	3
Attribute V – Health:	
PHED 1100	2
Attribute VI – Interdisciplinary:	
Any course in VI.....	3-4
Attribute VIIA – Arts:	
Any course listed in VIIA.....	3
Attribute VIIB – Humanities:	
Any course listed in VIIB	3
Attribute VIIC – Social Sciences:	
Any course in VIIC	3
Attribute VIID – Natural Science:	
SCIE 1100 or SCIE 1110.....	4-5
Attribute VIII – Cultural Awareness:	
Any course in VIII.....	3
Additional General Studies Hours:	
Major Course HLTA 2203	X
(Writing Intensive)	

COMMUNITY HEALTH EDUCATION

The School of Education/Health and Human Performance offers a Bachelor of Science in Community Health Education and also a minor for students interested in pursuing a career in this area.

**BACHELOR OF SCIENCE IN
COMMUNITY HEALTH EDUCATION120 SEM. HRS.**

Community Health Education.....	58 SEM. HRS.
General Studies Requirements	46-47 SEM. HRS.
Free Electives.....	15-16 SEM. HRS.

• **Community Health Education Curriculum..58 SEM. HRS.**

Required Courses (58 hrs.)

HLTA 1150	INTRODUCTION TO HEALTH.....	3
HLTA 2202	ENVIRONMENTAL HEALTH.....	3
HLTA 2203	CONTEMPORARY & DRUG BEHAVIOR ISSUES	3
HLTA 2210	DISEASE ETIOLOGY.....	3
HLTA 3315	HEALTHY SEXUALITY	3
HLTA 3320	BEHAVIOR CHANGE THEORY	3
HLTA 3330	INTRODUCTION TO EPIDEMIOLOGY AND BIOSTATISTICS	3
HLTA 3350	HEALTH PROGRAMMING AND PROGRAM PLANNING ..	3
HLTA 3360	COMMUNICATION TECHNIQUES FOR HEALTH PROMOTION	2
HLTA 4410	SEMINAR IN PUBLIC HEALTH EDUCATION (FALL ONLY)	3



HLTA	4420	COMMUNITY NEEDS ASSESSMENT	3
HLTA	4450	FIELD PRACTICUM IN PUBLIC HEALTH (SPRING ONLY).6	
FOSM	1110	NUTRITION	3
PHED	1100	FITNESS AND WELLNESS.....	2
PHED	4400	RESEARCH METHODOLOGY	3
PHED	4410	RESEARCH DESIGN SEMINAR.....	3
EMPHASIS AREA*.....			9

*This program does not require a minor, but does require an emphasis area consisting of at least 9 credit hours from one of the following: 1) Psychology, 2) Sociology, 3) Nutrition, or 4) Exercise Science. All courses selected must be within the same emphasis area. Pre-requisites are required in three of the four areas with the exception of nutrition. Listed below are the specific courses related to each of these emphasis areas.

Psychology: PSCY 2230 Social Psychology; PSCY 3330 Developmental Psychology (3); PSYC 3370 Theories of Learning (3) OR PSYC 4410 Theories of Personality (3). (PR required: PSCY 1101 – not included in the 9 hours)

Sociology: SOCY 2200 Social Problems (3); SOCY 3310 Sociology of the Family (3); SOCY 4450 Minority Groups (3). (PR required: SOCY 1110 – not included in the 9 hours)

Nutrition: FOSM 1120 Nutrition in Childhood and Adolescence (3), FOSM 2200 Introduction to Foods (3); FOSM 2250 Applications in Community and Medical Nutrition (3).

Exercise Science: PHED 3312 Physiology of Exercise (3); PHED 3316 Fitness Assessment (3); PHED 3317 Clinical Applications in Exercise Physiology (3). (PR required: PHED 2211 – not included in the 9 hours)

- General Studies Requirements..... 46-47 SEM. HRS.

Attribute IA – Critical Analysis:	
Any course in IA.....	3
Attribute IB – Quantitative Literacy:	
MATH 1107.....	3
Attribute IC – Written Communication:	
ENGL 1104	3
Attribute ID – Teamwork:	
Any course in ID	3
Attribute IE – Information Literacy:	
ENGL 1108	3
Attribute IF – Technology Literacy:	
Any Course in IF.....	3
Attribute IG – Oral Communication:	
COMM 2200	3
Attribute III – Citizenship:	
Any Course in III	3
Attribute IV – Ethics:	
PHIL 3325	3
Attribute V – Health:	
PHED 1100.....	X
Attribute VI – Interdisciplinary:	
Any Course in VI	3
Attribute VIIA – Arts:	
Any course listed in VIIA.....	3
Attribute VIIB – Humanities:	
Any course listed in VIIB	3
Attribute VIIC – Social Sciences:	
SOCY 1110 (recommended) or PSYC 1101	3
Attribute VIID – Natural Science:	
Any course listed in VIID.....	4-5
Attribute VIII – Cultural Awareness:	
Any Course in VIII	3

Additional General Studies Hours:	
HLTA 2203	X
(Writing Intensive Course)	

MINOR IN COMMUNITY HEALTH EDUCATION21 SEM. HRS.

Required Courses (21 hrs.)

HLTA	1150	INTRODUCTION TO HEALTH	3
HLTA	2202	ENVIRONMENTAL HEALTH	3
HLTA	2203	CONTEMPORARY AND DRUG BEHAVIOR ISSUES.....	3
HLTA	3315	HEALTHY SEXUALITY	3
HLTA	4410	SEMINAR IN PUBLIC HEALTH EDUCATION.....	3
HLTA	4450	FIELD PRACTICUM IN PUBLIC HEALTH.....	6

SCHOOL NURSE PROGRAM - NURSING AND ALLIED HEALTH

The School Nurse program is open to students who currently possess RN licensure (Bachelor’s Degree) or plan to earn it. This option licenses interested parties to serve as a school nurse in a Pre K-Adult setting. Interested persons should contact the Dean of the School of Education or Dean of the School of Nursing and Allied Health. The requirements are as follows.

- 1) Licensure as a Registered Nurse (Bachelor’s Degree)
- 2) EDUC 2200 - Introduction to Education
- 3) Acceptable scores on the CORE Reading, Writing and Mathematics tests
- 4) Public School Practicum

PHYSICAL EDUCATION

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 the beginning of this chapter for further information on General Studies Requirements for the BA in Education.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN PHYSICAL EDUCATION PRE K-ADULT120 SEM. HRS.

Physical Education Curriculum.....	43 SEM. HRS.
General Studies Requirements.....	36 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Free Electives.....	2 SEM. HRS.

- Physical Education Curriculum.....43 SEM. HRS.

Required Courses (43 hrs.)

PHED 1121	INTRO. SEM. IN HUMAN MOVEMENT.....	2
PHED 2211	ANATOMY AND PHYSIOLOGY.....	4
PHED 2200	ACCIDENT ANALYSIS & EMERGENCY CARE.....	2
PHED 2232	BASIC AQUATICS.....	2
-OR-		
PHED 2233	ADVANCED AQUATICS-LIFEGUARDING	2
PHED 2240	OUTDOOR LEISURE ACTIVITIES.....	2
PHED 2241	GYMNASTICS AND DANCE	2
-OR-		
PHED 2242	SOCIAL DANCE	2
PHED 2243	TEACHING TEAM PASSING SPORTS	3
PHED 2244	TEACHING NET/WALL SPORTS.....	3
PHED 2246	TEACHING STRIKING/TARGET SPORTS.....	2
PHED 3312	PHYSIOLOGY OF EXERCISE.....	3
PHED 3313	BIOMECHANICS (FALL ONLY).....	3
PHED 3323	TEACHING ELEMENTARY PHYSICAL EDUCATION	3
PHED 3324	PERFORMANCE-BASED ASSESSMENT.....	3
PHED 3325	INSTRUCTIONAL STRATEGIES	3
PHED 3343	ADAPTED PHYSICAL EDUCATION ACTIVITIES (SPRING ONLY)	3
PHED 4431	METHODS AND MATERIALS IN TEACHING PHYSICAL EDUCATION.....	3

• Professional Education39 SEM. HRS.

EDUC 2200	INTRO. TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I.....	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

• General Studies Requirements

Attribute IA – Critical Analysis:		
ENGL 1108		3
Attribute IB – Quantitative Literacy:		
MATH 1107 or higher in IB		3
Attribute IC – Written Communication:		
ENGL 1104		3
Attribute ID – Teamwork:		
COMM 2200 or 2201		3
Attribute IE – Information Literacy:		
Major Course EDUC 2201		X
Attribute IF – Technology Literacy:		
Major Course EDUC 2201		X
Attribute IG – Oral Communication:		
COMM 2200 or 2201		X
Attribute III – Citizenship:		
HIST 1107 or 1108		3
Attribute IV – Ethics		
Any Course in IV		3
Attribute V – Health:		
PHED 1100		2
Attribute VI – Interdisciplinary:		
Any course in VI.....		3
Attribute VIIA – Arts:		
Any course listed in VIIA.....		3
Attribute VIIB – Humanities:		
HIST 1107-1108.....		X

Attribute VIIC – Social Sciences:

Any Course in VIIC	3
Attribute VIID – Natural Science:	
Any Course in VIID	4
Attribute VIII – Cultural Awareness:	
Any course in VIII.....	3
Additional General Studies Hours:	
Major Course PHED 3325	X
(Writing Intensive)	

OUTDOOR RECREATION LEADERSHIP (MINOR ONLY)

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 IN OUTDOOR RECREATIONAL LEADERSHIP24 SEM. HRS.

Required Courses (20 hrs.)

RECR 1141	INTRODUCTION TO RECREATION.....	3
RECR 1150	INTRODUCTION TO ROCK CLIMBING.....	2
RECR 1151	BACKCOUNTRY LIVING SKILLS	2
PHED 2200	ACCIDENT ANALYSIS & EMERGENCY CARE.....	2
RECR 2220	PROGRAM PLANNING AND ORGANIZATION.....	3
RECR 2250	SELECT TOPICS IN CERTIFICATIONS	2
RECR 3330	GROUP LEADERSHIP	3
RECR 3340	INTERNSHIP/CAMP ADMINISTRATION.....	3

Electives (4 hrs.)

(Choose one course from each group.)

GROUP I

RECR 1178	SCUBA DIVING "OPEN WATER CERTIFICATION"	2
PHED 2232	BASIC AQUATICS.....	2
PHED 2233	ADVANCED AQUATICS-LIFEGUARDING	2
PHED 3381	WATER SAFETY INSTRUCTORS.....	2

GROUP II

RECR 1154	RECREATION FIELD WORK 1	2
RECR 1177	INTRODUCTION TO ADVENTURE WATER SPORTS	2
RECR 1188	INTRODUCTION TO WINTER SPORTS.....	2
RECR 1199	SPECIAL TOPICS IN RECREATION	1-6
PHED 3342	FIELD EXPERIENCE IN ADAPTED PHYSICAL EDUC.....	2-4
PHED 3365	ACTIVITIES IN OUTDOOR EDUCATION	1-3
PHED 3366	FIELD EXPERIENCE IN OUTDOOR EDUCATION	1-3

NUTRITION (MINOR ONLY)

MINOR IN NUTRITION 19 SEM. HRS.

Required Courses (13-17hrs.)

HLCA	1170	HUMAN ANATOMY & PHYSIOLOGY.....	3
HLCA	1171	HUMAN ANATOMY & PHYSIOLOGY LABORATORY	1
-OR-			
PHED	2211	ANATOMY & PHYSIOLOGY	4
GENERAL STUDIES ATTRIBUTE VIID, NATURAL SCIENCE CHOICE.....			4
FOSM	1110	NUTRITION	3
FOSM	2200	INTRODUCTION TO FOODS	3
FOSM	2220	DIET THERAPY.....	3

Electives (6 hours)

FOSM	1120	NUTRITION IN CHILDHOOD & ADOLESCENCE	3
FOSM	1150	SPORTS NUTRITION	3
FOSM	2250	APPLICATIONS IN COMMUNITY & MEDICAL NUTRITION	3



Programs of Study

School of Fine Arts

Dr. Constance Edwards, Interim Dean
204 Wallman Hall / (304) 367-4219
Constance.Edwards@fairmontstate.edu

FACULTY

BOGESS, JENNIFER H. (2002)
Professor of Art

EDWARDS, CONSTANCE (2005)
Associate Professor of Music

EICHENBAUM, DANIEL (2012)
Assistant Professor of Music

ENTWISTLE, JEREMY (2012)
Temporary Assistant Professor of Art

GREENHAM, JEFF S. (2006)
Coordinator, Department of Art
Associate Professor of Art

HUFFMAN, VALARIE A. (2003)
Associate Professor of Music
Director of Bands

JOYCE, J. PATRICK (2013)
Temporary Assistant Professor of Music

KIRK, FRANCENE (2000)
Professor of Communication and Theatre

LEJEUNE, JENNIFERYERDON (2007)
Assistant Professor of Art

MELANSON, ELIZABETH G. (2013)
Temporary Assistant Professor of Art History

MILD, ROBERT (1988)
Professor/Senior Level: Communication Arts

MORRISON, JOHN (2012)
Temporary Assistant Professor of Music

O'CONNOR, JOHN E. (1998)
Coordinator, Department of Communication and
Theatre Arts
Professor/Senior Level: Theatre Arts

PATTERSON, ANNE L. (2004)
Coordinator, Department of Music
Professor of Music

RICHARDS, AIMEE (2006)
Assistant Professor of Communication Arts
Debate Coach

SNYDER, TROY (2004)
Associate Professor of Theatre Arts

SPEARS, SAMUEL (2009)
Assistant Professor of Music

INTRODUCTION

All programs in Art, Music, and Communication and Theatre Arts have a strong performance orientation. Students earning a major in these areas of study must periodically demonstrate, through public performance, or exhibitions, mastery of concepts and content studied.

STUDENTS MUST:

Pass an end of sophomore year jury or portfolio review to continue in the program.

Students in School of Fine Arts degree programs have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

ART

The Fairmont State University Department of Art provides a program of study for the preparation of teachers in the visual arts, leading to the B.A. degree in Education, a B.A. degree in Studio Art, and minors in studio art and art history. The art curriculum and activities are designed to provide the highest level of professional education for the art teacher, the creative artist and the scholar of the arts, and to play a major role in the cultural life of the college campus and the community. Courses marked with an asterisk must be completed before admission to the Initial Performance Practicum.

For completion of a B.A. degree program in the School of Fine Arts, students must:

- Pass an end of sophomore year jury or portfolio review;
- Maintain a 2.0 overall GPA; and,
- Earn a "C" or better in every course for the major.

Students continuing in the Department of Art degree programs have a graduation requirement of a 2.0 overall GPA and, in addition, must also earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

BACHELOR OF ARTS IN ART EDUCATION: TEACHING SPECIALIZATION IN ART GRADES

PRE K - ADULT	142 SEM. HRS.
Art Curriculum (see below).....	61 SEM. HRS.
General Studies Requirements.....	36 SEM. HRS.
Professional Education Courses	39 SEM. HRS.
Free Electives.....	6 SEM. HRS.
• Art Curriculum.....	61 SEM. HRS.

Core Requirements

ART 1140 DESIGN I: 2-D.....	3
ART 1141 DESIGN II: 3-D.....	3
ART 1142 DRAWING I: FOUNDATIONS OF DRAWING.....	3

ART 2241 DRAWING II: DRAWING FROM LIFE.....	3
ART 2245 E. FOUNDATIONS.....	3
ART 2261 PAINTING I: FOUNDATIONS OF PAINTING	3
ART 2283 SCULPTURE I: FOUNDATIONS OF SCULPTURE	3

Art History Requirements

ART 3374 ART HISTORY FROM PREHISTORY TO 1450	3
ART 3376 ART HISTORY FROM 1450 TO 1750.....	3
ART 3378 ART HISTORY FROM 1750 TO 1950.....	3
ART 3380 ART HISTORY SINCE 1950.....	3

Studio Requirements

ART 2262 PAINTING II.....	3
ART 2284 SCULPTURE II.....	3
ART 3341 PRINTMAKING I.....	3
ART 3363 INTERMEDIATE WATER MEDIA	3
ART 3383 POTTERY I.....	3
ART 3384 POTTERY II	3

Art Education Requirements

ART 3360 METHODS AND MATERIALS IN TEACHING ART IN ELEMENTARY AND MIDDLE SCHOOL	4
ART 4431 METHODS AND MATERIALS IN TEACHING ART IN SECONDARY SCHOOL.....	3
ART 4471 CAPSTONE EXPERIENCE IN ART.....	3

• Professional Education Requirements..... 39 SEM. HRS.

EDUC 2200 INTRODUCTION TO EDUCATION	3
EDUC 2201 INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203 HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3
EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260 INSTRUCTIONAL DESIGN I.....	3
EDUC 2265 FIELD EXPERIENCE 2.....	1
EDUC 3331 READING IN THE CONTENT AREAS	3
EDUC 3340 INSTRUCTIONAL DESIGN II.....	3
EDUC 3365 FIELD EXPERIENCE 3.....	2
EDUC 3351 INCLUSIVE CLASSROOM PRACTICES	3
EDUC 4485 ACTION RESEARCH.....	1
EDUC 4486 PORTFOLIO	1
EDUC 4496 SECONDARY STUDENT TEACHING	10

• Required General Studies Courses 36 SEM. HRS.

Attribute IA – Critical Analysis	
ENGL 1108	3
Attribute IB – Quantitative Literacy	
MATH 1107 or higher in IB	3
Attribute IC – Written Communication	
ENGL 1104	3
Attribute ID - Teamwork	
Major Course – ART 1140 or 1141	X
Design 1 or 2 Foundations	
Attribute IE – Information Literacy	
ENGL 1108	IA
Attribute IF – Technology Literacy	
Major Course – ART 2245 E. Foundations.....	X
Attribute IG – Oral Communication	
COMM 2200 or 2201 or 2202	3
Attribute III – Citizenship	
HIST 1107 or 1108 or POLI 1103	3
Attribute IV - Ethics	
Any course in IV.....	3
Attribute V - Health	
PHED 1100.....	2
Attribute VI - Interdisciplinary	
Any course in VI.....	3

Attribute VIIA - Arts
 ART 3374 Art History Pre History to 1750X
 Attribute VIIB - Humanities
 Any course in VIIB3
 Attribute VIIC – Social Sciences
 Any Course VIIC3
 Attribute VIID - Natural Science
 Any course in VIID4
 Attribute VIII – Cultural Awareness
 Any course in VIII3
 Additional General Studies hours
 Major Course – ART 3374 / 3376 / 3378 /3380 - Art History –
 are writing intensive coursesX

ART 4467 AREA STUDIES I IN PAINTING3
 -PLUS-
 ART 4471 CAPSTONE EXPERIENCE IN ART3
 PAINTING 3000 LEVEL OR HIGHER3
 POTTERY/SCULPTURE TRACK 18 SEM. HRS.
 ART 2284 SCULPTURE II3
 ART 3384 POTTERY II3
 ART 4464 POTTERY III3
 ART 4465 SCULPTURE III3
 ART 4467 AREA STUDIES I: SCULPTURE OR POTTERY3
 ART 4471 CAPSTONE EXPERIENCE IN ART3

CROSS-MEDIA TRACK 18 SEM. HRS.

The intent of this track is to allow students to design a curriculum that includes traditional and new 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 and 3-Dimensional media courses in the Art Department and Graphics Department:

ART 3341 PRINTMAKING I3
 ART 3342 PRINTMAKING II3
 ART 3345 E. INTERMEDIATE3
 ART 4445 E. ADVANCED3
 ART 4467 AREA STUDIES I IN CROSSMEDIA3
 ART 4472 VIRTUAL EXHIBITION3

• Required General Studies Courses 36 SEM. HRS.

Attribute IA – Critical Analysis
 ENGL 11083
 Attribute IB – Quantitative Literacy
 MATH 1107 or higher in IB3
 Attribute IC – Written Communication
 ENGL 11043
 Attribute ID - Teamwork
 Major Course – ART 1140 or 1141
 Design 1 or 2 FoundationsX
 Attribute IE – Information Literacy
 ENGL 1108X
 Attribute IF – Technology Literacy
 Major Course – ART 2245 E. FoundationsX
 Attribute IG – Oral Communication
 COMM 2200 or 2201 or 22023
 Attribute III - Citizenship
 HIST 1107 or 1108 or POLI 1103
 Attribute IV - Ethics
 Any course in IV3
 Attribute V - Health
 PHED 11012
 Attribute VI - Interdisciplinary
 Any course in VI3
 Attribute VIIA - Arts
 ART 3374 Art History Pre History to 1750X
 Attribute VIIB - Humanities
 Any course in VIIB3
 Attribute VIIC – Social Sciences
 Any Course VIIC3
 Attribute VIID - Natural Science
 Any course in VIID4
 Attribute VIII – Cultural Awareness
 Any course in VIII3
 Additional General Studies hours
 Major Course – ART 3374 / 3376 / 3378 /3380 - Art History
 – are writing intensive courses.

STUDIO ART

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-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.

BACHELOR OF ARTS IN STUDIO ART

Studio Art Curriculum (including Foundations Core Art History, and Studio Track courses) 51 SEM. HRS.
 General Studies Requirements 36 SEM. HRS.
 Electives At least 33 SEM. HRS.
 Minimum Hours Required for Graduation 120 SEM. HRS.

• Foundations Core Requirements 21 SEM. HRS.

ART 1140 DESIGN I: 2-D3
 ART 1141 DESIGN II: 3-D3
 ART 1142 DRAWING I: FOUNDATIONS OF DRAWING3
 ART 2245 E. FOUNDATIONS3
 ART 2261 PAINTING I: FOUNDATIONS OF PAINTING3
 ART 2283 SCULPTURE I: FOUNDATIONS OF SCULPTURE3
 ART 3383 POTTERY I3

• Art History Requirements 12 SEM. HRS.

ART 3374 ART HISTORY FROM PREHISTORY TO 14503
 ART 3376 ART HISTORY FROM 1450-17503
 ART 3378 ART HISTORY FROM 1750-19503
 ART 3380 ART HISTORY SINCE 19503

Students Choose One Track of Concentration from the following:

PAINTING TRACK 18 SEM. HRS.

ART 2241 DRAWING II: DRAWING FROM LIFE3
 ART 2262 PAINTING II: PROBLEMS IN PAINTING3
 ART 3363 INTERMEDIATE WATER MEDIA3

MINOR IN ART	18 SEM. HRS.
History of Art Courses	6 SEM. HRS.
(Choose six hours of art courses.)	
Studio Work Courses	12 SEM. HRS.
(Choose 12 hours of studio work courses.)	
(Pre-requisite required)	

MINOR IN ART HISTORY

Required Courses (6 hrs.)

ART 1140	DESIGN I: 2D	3
ART 1142	FOUNDATIONS OF DRAWING	3

Select 12 hrs.

ART 2230	GALLERY MANAGEMENT	3-6
ART 3374	ART HISTORY FROM PREHISTORY TO 1450	3
ART 3376	ART HISTORY FROM 1450-1750	3
ART 3378	ART HISTORY FROM 1750-1950	3
ART 3380	ART HISTORY SINCE 1950	3

MUSIC

The Department of Music offers a Bachelor of Arts in Education Degree in Music (Comprehensive Pre K-Adult), a Bachelor of Arts Degree in Music, and a minor in music. The degree programs provide a thorough background for those seeking a career in music. Major applied areas are offered in vocal, instrumental (strings, woodwinds, brass and percussion), piano, and organ.

The department provides excellent musical instruction for its students through a highly qualified professional staff of performing and teaching professors, a varied curriculum, and a series of sequential musical experiences and studies in all music degree programs. The department believes in exposing music students to many new and innovative educational and musical ideas as well as emphasizing the musical heritage of the past. Departmental organizations such as band, choir, small ensembles, and jazz ensemble participate regularly in productions, concerts, and activities of the college and have toured in West Virginia, the United States, Mexico and Europe.

Opportunities are provided for music students to attend numerous recitals, productions and other musical events on and off campus. Several professional and fraternal organizations are sponsored by the department, including a student chapter of Music Educators National Conference, American Choral Directors Association, Kappa Kappa Psi, and Sigma Alpha Iota.

The Department of Music is housed in Wallman Hall. It is well-equipped with musical instruments and materials, and its facilities include an electronic piano classroom, theory room, music education room, wired classrooms and a computer lab, instrumental and choral rehearsal rooms, 18 practice rooms with Smartmusic technology, nine studios and Wallman Hall Auditorium.

See the Department of Music Handbook for requirements of concert and recital attendance, piano proficiency, ensemble participation, sophomore evaluation policy, senior recital procedure, instrument checkout policy, and model schedules.

Students must pass an end of sophomore year jury or portfolio review to continue in the program.

Students continuing in the Department of Music degree program have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

BACHELOR OF ARTS IN EDUCATION: TEACHING SPECIALIZATION IN MUSIC EDUCATION GRADES PRE K-ADULT

146 SEM. HRS.	
Music Curriculum (see below)	77 SEM. HRS.
General Studies Requirements	30 SEM. HRS.
Professional Education Courses	39 SEM. HRS.

- Music Curriculum

Required Courses (35 hrs):

MUSI 1100	INTRO TO MUSIC EDUCATION	1
MUSI 1101	CONCERTS, RECITALS, AND SEMINARS	0
MUSI 1111	INTRO TO MUSIC TECHNOLOGY	3
MUSI 1113	THEORY I	3
MUSI 1114	AURAL SKILLS I	1
MUSI 1115	THEORY II	3
MUSI 1116	AURAL SKILLS II	1
MUSI 2206	MUSIC APPREC. FOR MAJORS	3
MUSI 2223	THEORY III	3
MUSI 2224	AURAL SKILLS III	1
MUSI 2225	THEORY IV	3
MUSI 2226	AURAL SKILLS IV	1
MUSI 2245	FUNDAMENTALS OF CONDUCTING	2
MUSI 3309	ORCHESTRATION	2
MUSI 3313/14	MUSIC HISTORY	6
MUSI 3347	ADVANCED CONDUCTING	2

Ensemble Participation (7 hrs.)

Seven semesters required. Select from the following:

MUSI 1167	COLLEGIATE SINGERS	1
MUSI 1168	MARCHING BAND	2
MUSI 1169	WIND ENSEMBLE	1

Applied Music (26 hrs.)

MAJOR INSTRUMENT OR VOICE	14	
MUSI 1104	FUNCTIONAL PIANO I	1
MUSI 1105	FUNCTIONAL PIANO II	1
MUSI 2204	FUNCTIONAL PIANO III	1
MUSI 2205	FUNCTIONAL PIANO IV	1
MUSI 1139	VOICE CLASS	1
MUSI 2211	STRING CLASS I-II	1
MUSI 2213	BRASS CLASS I-II	1
MUSI 2215	WOODWIND CLASS I-II	1
MUSI 2217	PERCUSSION CLASS	1
MUSI 2219	GUITAR CLASS	1
MUSI	ELECTIVE INSTRUMENTAL CLASS	1
MUSI 4440	SENIOR RECITAL	1

Music Education Methods (9 hrs.)

MUSI 3328	ELEMENTARY METHODS, MATERIALS, & ADMIN	2
MUSI 4429	INSTRUMENTAL METHODS, MATERIALS, & ADMIN	2
MUSI 4430	CHORAL METHODS, MATERIALS, & ADMIN	2
MUSI 4431	METHODS & MATERIALS IN TEACH. MUSIC, 7-12	3

- Professional Education

EDUC 2200	INTRO. TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING AND TEACHING ...	3

EDUC 2240	HIGH INCIDENCE DISABILITIES.....	3
EDUC 2260	INSTRUCTIONAL DESIGN I.....	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS.....	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES.....	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO.....	1
EDUC 4495	SEC./PRE-K-ADULT STUDENT TEACH.....	10

• General Studies Requirements 30 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:	
ENGL 1108.....	3
Attribute IB – Quantitative Literacy:	
MATH 1107 or higher in 1B choices.....	3
Attribute IC – Written Communication:	
ENGL 1104.....	3
Attribute ID – Teamwork:	
ANY MUSI LISTED (Satisfied in Major).....	X
Attribute IE – Information Literacy:	
ENGL 1108 (Satisfied in Attribute IA).....	X
Attribute IF – Technology Literacy:	
MUSI 1111 (satisfied in major).....	X
Attribute IG – Oral Communication:	
COMM 2200 or 2201 or 2202.....	3
Attribute III – Citizenship:	
Any course listed in III.....	3
Attribute IV – Ethics:	
COMM 2200 or 2201 or 2202(Satisfied in IG).....	X
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
Any course listed in VI.....	3
Attribute VIIA – Arts:	
MUSI 2206 (Satisfied in Major).....	X
Attribute VIIB – Humanities:	
Any course in VIIB that is also in VIII.....	3
Attribute VIIC – Social Sciences:	
Any course listed in VIIC.....	3
Attribute VIID – Natural Science:	
Any course listed in VIID.....	4
Attribute VIII – Cultural Awareness:	
Any course listed in VIII that is also in VIIB.....	X
Additional General Studies Hours:	
MUSI 3313 (Satisfied in Major).....	X
(Writing Intensive Course)	

The Bachelor of Arts in Music degree program offers academic course work in music content areas, balanced with elective and general studies courses selected by individual students based on their career goals. The degree program is organized to provide a thorough background for various careers in music. The department provides excellent musical instruction for its students through a highly qualified professional faculty, a curriculum that includes current trends in the field, and a series of sequential musical experiences and studies. The department believes in exposing music students to many new and innovative educational and musical ideas as well as emphasizing the musical heritage of the past. The B.A. in Music degree requires 120 credit hours for graduation.

BACHELOR OF ARTS IN MUSIC	120 SEM. HRS.
Music Curriculum.....	54 SEM. HRS.
General Studies Requirements.....	33 SEM. HRS.
Free Electives.....	33 SEM. HRS.

Students will consult with faculty advisors to discuss their course of study. Students may choose to take courses in any academic subject area in order to prepare them for potential careers.

• Required Music Curriculum 54 SEM. HRS.

Music Theory (18 hrs.)

MUSI 1113	THEORY I.....	3
MUSI 1114	AURAL SKILLS I.....	1
MUSI 1115	THEORY II.....	3
MUSI 1116	AURAL SKILL II.....	1
MUSI 2223	THEORY III.....	3
MUSI 2224	AURAL SKILLS III.....	1
MUSI 2225	THEORY IV.....	3
MUSI 2226	AURAL SKILLS IV.....	1
MUSI 3311	FORM AND ANALYSIS.....	2

Music Appreciation and History (9 hrs.)

MUSI 1101	CONCERTS, RECITALS.....	0
MUSI 2206	MUSIC APPREC. FOR MAJORS.....	3
MUSI 3313	MUSIC IN WEST CIV TO 1750.....	3
MUSI 3314	MUSIC IN WEST CIV SINCE 1750.....	3

Technology (3 hrs.)

MUSI 1111	INTRO TO MUSIC TECHNOLOGY.....	3
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Conducting (2 hrs.)

MUSI 2245	FUNDAMENTALS OF CONDUCTING.....	2
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Ensemble Participation (8 hrs.)

Eight semesters required. Select from the following:

MUSI 1167	COLLEGIATE SINGERS, OR
MUSI 1168	MARCHING BAND, OR
MUSI 1169	WIND ENSEMBLE

Applied Music (14 hrs.)

MAJOR INSTRUMENT OR VOICE.....		8 SEMESTERS
MUSI 1139	VOICE CLASS.....	1
MUSI 1104	FUNCTIONAL PIANO I.....	1
MUSI 1105	FUNCTIONAL PIANO II.....	1
MUSI 2204	FUNCTIONAL PIANO III.....	1
MUSI 2205	FUNCTIONAL PIANO IV.....	1
MUSI 4440	SENIOR RECITAL.....	1

• General Studies Requirements 33 SEM. HRS.

(When choices are available, see the full General Studies Curriculum in Appendix A.)

Attribute IA – Critical Analysis:	
ENGL 1108.....	3
Attribute IB – Quantitative Literacy:	
MATH 1107 or higher in 1B choices.....	3
Attribute IC – Written Communication:	
ENGL 1104.....	3
Attribute ID – Teamwork:	
ANY MUSI LISTED (Satisfied in Major).....	X
Attribute IE – Information Literacy:	
ENGL 1108 (Satisfied in Attribute IA).....	X
Attribute IF – Technology Literacy:	
MUSI 1111 (satisfied in major).....	X



Attribute IG – Oral Communication:	
COMM 2200 or 2201 or 2202	3
Attribute III – Citizenship:	
HIST 1107 or 1108	3
Attribute IV – Ethics:	
Any course listed in IV	3
Attribute V – Health:	
PHED 1100.....	2
Attribute VI – Interdisciplinary:	
Any course listed in VI	3
Attribute VIIA – Arts:	
MUSI 2206 (Satisfied in Major).....	X
Attribute VIIB – Humanities:	
HIST 1107 or HIST 1108 (Satisfied in Attribute III)	X
Attribute VIIC – Social Sciences:	
Any course listed in VIIC	3
Attribute VIID – Natural Science:	
Any course listed in VIID	4
Attribute VIII – Cultural Awareness:	
Any course listed in VIII	3
Additional General Studies Hours:	
MUSI 3313 (Satisfied in Major).....	X
(Writing Intensive Course)	

MINOR IN MUSIC..... 24 SEM. HRS.

The minor in music requires a minimum of four semesters of course work. See the Department of Music Coordinator before registering for Music classes. Music minors are encouraged to enroll in applied lessons and ensembles for eight semesters. See the Department of Music Handbook for more information.

Required Courses (16 hrs.)

MUSI 1101	CONCERTS, RECITALS, AND SEMINARS (4 SEMESTERS)	0
MUSI 1104	FUNCTIONAL PIANO I FALL	1
MUSI 1105	FUNCTIONAL PIANO II SPRING.....	1
MUSI 1113	THEORY I.....	3
MUSI 1114	AURAL SKILLS I	1
MUSI 1115	THEORY II.....	3
MUSI 1116	AURAL SKILLS II.....	1
MUSI 1139	VOICE CLASS	1
MUSI 2206	MUSIC APPREC. FOR MAJORS FALL.....	3
MUSI 2245	FUNDAMENTALS OF CONDUCTING FALL.....	2

Applied Lesson Instruction (4 hrs.)

Four semesters required.

MUSI 1140	VOICE	OR
INSTRUMENT (SEE COURSES OF INSTRUCTION		
FOR INSTRUMENTS OFFERED)		1

Ensemble Participation (4 hrs.)

Four semesters required. Select from the following:

MUSI 1167	COLLEGIATE SINGERS.....	1
MUSI 1168	MARCHING BAND	2
MUSI 1169	WIND ENSEMBLE.....	1

COMMUNICATION AND THEATRE ARTS

The Department of Communication and Theatre Arts has designed a program to provide students with a variety of choices for developing their knowledge and skills through study and performance. By building a base of performance experience through classroom exercises,

public performances, and competition, students can develop communication expertise which will prepare them to meet the challenges of the future.

Students in Department of Communication and Theatre Arts degree program have a graduation requirement of a 2.0 overall GPA and, in addition, must earn a "C" or better in all their major courses.

Students applying for admission to Teacher Education must also meet the requirements of the School of Education.

A number of program choices are available to students in the Department of Communication and Theatre Arts. Students may choose a degree program in:

- 1) A Bachelor of Arts major in Theatre Arts;
- 2) A Bachelor of Arts major in Communication Arts;
- 3) Bachelor of Arts minors in either Communication Arts or Theatre Arts;
- 4) Bachelor of Arts in Education, single field, grades 5-12 in Oral Communication;
- 5) Bachelor of Arts in Education, single field, Pre-K-Adult in Theatre.

The co-curricular activities of this department are open to all students. For detailed information, see Forensics and Theatre under Student Services and Organizations in this catalog.

BACHELOR OF ARTS IN COMMUNICATION ARTS..... 120 SEM. HRS.

Communication Arts Curriculum	(see below)	46 SEM. HRS.
Communication Arts Concentration	(see below)	12 SEM. HRS.
General Studies Requirements		37 SEM. HRS.
Free Electives.....		25 SEM. HRS.

- Communication Arts Curriculum..... 58 SEM. HRS.

Required Courses (46 hrs.)

BISM 1200	INTRODUCTION TO COMPUTING.....	3
BISM 2800	CORPORATE COMMUNICATIONS AND TECHNOLOGY ..	3
COMM 1105	VOICE & DICTION	3
COMM 2201	INTRODUCTION TO GROUP DISCUSSION.....	3
COMM 2213	INTRODUCTION TO COMMUNICATION	
	THEORY AND RESEARCH PRACTICES.....	3
COMM 2219	LANGUAGE IN COMMUNICATION	3
COMM 2241	ARGUMENTATION & DEBATE	3
COMM 2250	SOPHOMORE SEMINAR	1
COMM 3300	INTERCULTURAL COMMUNICATION.....	3
COMM 3337	PERSUASIVE COMMUNICATION	3
COMM 3345	ORATORY	3
COMM 4420	CONTEMPORARY STORYTELLING	3
COMM 4496	COMMUNICATION IN PRACTICE: INTERNSHIP	3
JOUR 2245	REPORTING AND MULTIMEDIA NEWS WRITING.....	3
JOUR 2275	MEDIA LITERACY	3
JOUR 3350	PARTICIPATORY JOURNALISM AND SOCIAL MEDIA.....	3

- Concentrations

GOVERNMENT COMMUNICATION

PHIL 2275	INTRODUCTION TO LOGIC AND CRITICAL REASONING	3
POLI 1103	AMERICAN GOVERNMENT.....	3
POLI 2200	INTRODUCTION TO POLITICAL SCIENCE	3
POLI 2203	COMPARATIVE GOVERNMENT	3

HEALTH COMMUNICATION

HLTA	1150	INTRODUCTION TO HEALTH EDUCATION.....	3
HLTA	2202	COMMUNITY AND ENVIRONMENTAL HEALTH.....	3
HLTA	2203	CONTEMPORARY AND DRUG BEHAVIOR ISSUES.....	3
HLTA	3315	HEALTHY SEXUALITY	3

SPORT COMMUNICATION

BSBA	2209	PRINCIPLES OF MANAGEMENT	3
BSBA	2204	PRINCIPLES OF MARKETING.....	3
PHED	2201	INTRODUCTION TO SPORT MANAGEMENT	3
PHED	2210	SPORT MARKETING & PROMOTIONS.....	3

PERFORMANCE COMMUNICATION

THEA	2220	ORAL INTERPRETATION	3
THEA	2230	ACTING.....	3
THEA	3320	THE ART OF STORYTELLING IN THEORY AND PRACTICE3	
THEA	3346	CREATIVE PUPPETRY	3

PUBLIC COMMUNICATION

(Select 12 Hours)

COMM	2249	INTERCOLLEGIATE DEBATE.....	1-4
COMM	4449	INTERCOLLEGIATE DEBATE.....	1-4
COMM	4439	PUBLIC SPEAKING PRACTICUM I-VIII	1-4
THEA	2220	ORAL INTERPRETATION	3
THEA	2228	ORAL INTERPRETATION PRACTICUM.....	1-4

MULTIMEDIA COMMUNICATION

JOUR	2280	HISTORY OF AMERICAN JOURNALISM.....	3
JOUR	3315	MULTIMEDIA PUBLISHING.....	3
JOUR	3335	PHOTOJOURNALISM AND DIGITAL EDITING	3
JOUR	3344	PUBLICATIONS PRACTICE	3

VISUAL COMMUNICATION

ART	1140	DESIGN I: 2D.....	3
ART	1141	DESIGN II: 3D.....	3
ART	2245	E. FOUNDATIONS.....	3
ART	3345	E. INTERMEDIATE.....	3

- General Studies Requirements..... 37 SEM. HRS.

Attribute IA – Critical Analysis

ENGL	1108	3
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Attribute IB – Quantitative Literacy

MATH	1107 or higher in IB	3
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Attribute IC – Written Communication

ENGL	1104	3
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Attribute ID - Teamwork

COMM	2201 in Major.....	X
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Attribute IE – Information Literacy

ENGL	1108	X
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Attribute IF – Technology Literacy

BISM	1200 in Major.....	X
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Attribute IG – Oral Communication

COMM	2201 in Major.....	X
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Attribute III - Citizenship

POLI	1103 American Government.....	3
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Attribute IV - Ethics

PHIL	3325 Ethics.....	3
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Attribute V - Health

Any course in V.....	3
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Attribute VI - Interdisciplinary

Any course in VI.....	3
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Attribute VIIA - Arts

Any course in VIIA.....	3
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Attribute VIIB - Humanities

Any Literature course VIIB	3
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Attribute VIIC – Social Sciences

Any course in VIIC.....	3
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Attribute VIID - Natural Science

Any course in VIID.....	4
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Attribute VIII – Cultural Awareness

SOCY 3301 Ethnography or any course in VIII	3
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Additional General Studies hours

Major Course – COMM 2213 Writing Intensive Course	X
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MINOR IN COMMUNICATION ARTS..... 24 SEM. HRS.

Required Courses (24 hrs.)

COMM 1105	VOICE & DICTION	3
COMM 2201	INTRODUCTION TO GROUP DISCUSSION.....	3
COMM 2213	INTRODUCTION TO COMMUNICATION THEORY AND RESEARCH PRACTICES	3
COMM 2219	LANGUAGE IN COMMUNICATION.....	3
COMM 2241	ARGUMENTATION & DEBATE	3
COMM 3300	INTERCULTURAL COMMUNICATION.....	3
COMM 3337	PERSUASIVE COMMUNICATION.....	3
COMM 3345	ORATORY	3

BACHELOR OF ARTS IN THEATRE ARTS.. 120 SEM. HRS.

Theatre Arts Curriculum (see below)..... 48 SEM. HRS.

General Studies Requirements..... 36-37 SEM. HRS.

Free Electives..... 35-36 SEM. HRS.

- Theatre Arts Curriculum..... 48 SEM. HRS.

Required Courses (39 hrs.)

COMM 1105	VOICE & DICTION	3
THEA 1110	INTRODUCTION TO THEATRE	3
THEA 1114	BODY TRAINING AND STAGE MOVEMENT.....	3
THEA 1140	THEATRICAL PRODUCTION.....	2
THEA 1148	THEATRE WORKSHOP	1
THEA 1151	TEXT ANALYSIS	3
THEA 2212	THEATRICAL MAKEUP	1
THEA 2230	ACTING.....	3
THEA 2238/4432	ACTING WORKSHOP.....	1
THEA 2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA 2262/4462	PRODUCTION PRACTICUM.....	1
THEA 3336	DIRECTING.....	3
THEA 3340/41	THEATRE HISTORY I, II	6
THEA 3375	DEVELOPMENT OF DRAMATIC ART	3
THEA 4438	SENIOR COMPREHENSIVE PROJECT	3

*One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.

Theatre Electives (9 hrs.)

(At least 6 hours must be upper-division.)

THEA 1199	SPECIAL TOPICS IN THEATRE.....	1-3
THEA 2220	ORAL INTERPRETATION	3
THEA 2251	PLAYWRITING	3
THEA 3305	VOICE FOR THE STAGE.....	3
THEA 3314	ADVANCED THEATRICAL MAKEUP	1
THEA 3320	THE ART OF STORYTELLING IN THEORY AND PRACTICE.....	3
THEA 3326	PERFORMANCE STUDIES	3
THEA 3330	ADVANCED ACTING.....	3
THEA 3344	ADVANCED THEATRICAL DESIGN	3
THEA 3346	CREATIVE PUPPETRY	3
THEA 3350	CHILDREN'S DRAMA.....	3
THEA 3352	CREATIVE DRAMA	3
THEA 3392	COSTUME HISTORY AND DESIGN	3
THEA 4480	THEATRE BUS. MANAGEMENT AND PROMOTION	3
THEA 4490	DIRECTED STUDY IN THEATRE	1-3

Recommended Related Courses for Theatre Arts Majors:

ART 1120	ART APPRECIATION	3
ART 1142	DRAWING I: FOUNDATIONS OF DRAWING.....	3
ENGL 3374	SHAKESPEARE	3
ENGL 3390	MODERN DRAMA.....	3
MUSI 1120	MUSIC APPRECIATION.....	3
MUSI 1139	VOICE CLASS	1
MUSI 1141	VOICE I-IV.....	1-2

Recommended Related Courses for Theatre Arts Minors:

ART 1120	ART APPRECIATION	3
ART 1142	DRAWING I: FOUNDATIONS OF DRAWING.....	3
ENGL 3374	SHAKESPEARE	3
ENGL 3390	MODERN DRAMA.....	3
MUSI 1120	MUSIC APPRECIATION.....	3
MUSI 1139	VOICE CLASS	1
MUSI 1141	VOICE I-IV.....	1-2

• Required General Studies Courses 36-37 SEM. HRS.

Attribute IA – Critical Analysis		
ENGL 1108		3
Attribute IB – Quantitative Literacy		
MATH 1107.....		3
Attribute IC – Written Communication		
ENGL 1104		3
Attribute ID – Teamwork		
COMM 2201.....		3
Attribute IE – Information Literacy		
ENGL 1108 IA		
Attribute IF – Technology Literacy		
BISM 1200 or TECH 1100.....		3
Attribute IG – Oral Communication		
COMM 2201 (Met in Attribute ID)		X
Attribute III - Citizenship		
HIST 1107 or 1108 or POLI 1103		3
Attribute IV - Ethics		
ENGL 2231		3
Attribute V - Health		
CRIM 2212 or PHED 1100.....		2-3
Attribute VI - Interdisciplinary		
Any course in VI.....		3
Attribute VIIA - Arts		
Any course in VIIA.....		3
Attribute VIIB - Humanities		
THEA 3375 in major.....		X
Attribute VIIC – Social Sciences		
Any course in VIIC.....		3
Attribute VIID - Natural Science		
Any course in VIID.....		4
Attribute VIII – Cultural Awareness		
ENGL 2231 (Met in Attribute IV)		X
Additional General Studies hours		
Major Course – THEA 3375 Writing Intensive Course		X

MINOR IN THEATRE ARTS 31 SEM. HRS.

Required Courses (31 hrs.):

COMM 1105	VOICE & DICTION	3
THEA 1110	INTRODUCTION TO THEATRE	3
THEA 1114	BODY TRAINING AND STAGE MOVEMENT.....	3
THEA 1140	THEATRICAL PRODUCTION.....	2
THEA 1148	THEATRE WORKSHOP*	1
THEA 1151	TEXT ANALYSIS	3
THEA 2212	THEATRICAL MAKEUP	1
THEA 2220	ORAL INTERPRETATION	3
THEA 2230	ACTING.....	3
THEA 2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA 3340	THEATRE HISTORY I	3
-OR-		
THEA 3341	THEATRE HISTORY II	3
THEA 3336	DIRECTING.....	3

*One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.

BACHELOR OF ARTS IN EDUCATION:
TEACHING SPECIALIZATION IN ORAL

COMMUNICATION GRADES 5-ADULT 120 SEM. HRS.

(Although not required, a second field is recommended. See your advisor.)
Oral Communication Curriculum 41 SEM. HRS.
Professional Education Courses 39 SEM. HRS.
General Studies Requirements..... 39 SEM. HRS.
Free Electives..... 1 SEM. HRS.

• Oral Communication Curriculum..... 41 SEM. HRS.

Required Courses (41 hrs.)

COMM 1105	VOICE & DICTION	3
COMM 2241	ARGUMENTATION & DEBATE	3
COMM 2249/4449	INTERCOLLEGIATE DEBATE	1
COMM 3300	INTERCULTURAL COMMUNICATION.....	3
COMM 3337	PERSUASIVE COMMUNICATION.....	3
COMM 4431	METHODS AND MATERIALS IN TEACHING COMMUNICATION AND THEATRE	3
COMM 4439	PUBLIC SPEAKING PRACTICUM.....	1
JOUR 2275	MEDIA LITERACY	3
THEA 1140	THEATRICAL PRODUCTION	2
THEA 1148	THEATRE WORKSHOP*	1
THEA 2212	THEATRICAL MAKEUP	1
THEA 2220	ORAL INTERPRETATION	3
THEA 2228/4428	ORAL INTERPRETATION PRACTICUM	1
THEA 2230	ACTING.....	3
THEA 2244	INTRODUCTION TO THEATRICAL DESIGN	3
THEA 3336	DIRECTING.....	3
THEA 3350	CHILDREN'S DRAMA.....	3
THEA 3354	THEATRE EDUCATION PRACTICUM	1

*One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.

• Professional Education 39 SEM. HRS.

EDUC 2200	INTRODUCTION TO EDUCATION	3
EDUC 2201	INSTRUCTIONAL TECHNOLOGY	3
EDUC 2203	HUMAN DEVELOPMENT, LEARNING & TEACHING.....	3
EDUC 2240	HIGH INCIDENCE DISABILITIES FOR EDUCATORS	3
EDUC 2260	INSTRUCTIONAL DESIGN I.....	3
EDUC 2265	FIELD EXPERIENCE 2.....	1
EDUC 3331	READING IN THE CONTENT AREAS.....	3
EDUC 3340	INSTRUCTIONAL DESIGN II.....	3
EDUC 3351	INCLUSIVE CLASSROOM PRACTICES FOR INDIVIDUAL DIFFERENCES	3
EDUC 3365	FIELD EXPERIENCE 3.....	2
EDUC 4485	ACTION RESEARCH.....	1
EDUC 4486	PORTFOLIO	1
EDUC 4496	SECONDARY STUDENT TEACHING	10

- Required General Studies Courses 39 SEM. HRS.
- Attribute IA – Critical Analysis
 - ENGL 1108 3
- Attribute IB – Quantitative Literacy
 - MATH 1107..... 3
- Attribute IC – Written Communication
 - ENGL 1104 3
- Attribute ID - Teamwork
 - COMM 2201 3
- Attribute IE – Information Literacy
 - ENGL 1108 (Met in Attribute IA).....X
- Attribute IF – Technology Literacy
 - BISM 1200..... 3
- Attribute IG – Oral Communication
 - COMM 2200 3
- Attribute III - Citizenship
 - Choose from III 3
- Attribute IV - Ethics
 - COMM 2201(Met in Attribute ID)X
- Attribute V - Health
 - PHED 1100..... 2
- Attribute VI - Interdisciplinary
 - FOLK 3300/ENGL 3387 3
- Attribute VIIA - Arts
 - THEA 1120 or 3352 3
- Attribute VIIB - Humanities
 - FOLK 3300/ENGL 3387 (Met in Attribute VI)....X
- Attribute VIIC – Social Sciences
 - Any course in VIIC..... 3
- Attribute VIID - Natural Science
 - Any course in VIID..... 4
- Attribute VIII – Cultural Awareness
 - Any ENGL course in VIII 3
- Additional General Studies hours
 - Major Course – THEA 3350 Writing Intensive CourseX

**BACHELOR OF ARTS IN EDUCATION:
TEACHING SPECIALIZATION IN THEATRE**
GRADES PRE K-ADULT 121-123 SEM. HRS.
 (Although not required, a second field is recommended.
 See your advisor.)
 Theatre (see below)..... 43 SEM. HRS.
 Professional Education Courses 39 SEM. HRS.
 General Studies Requirements 39-41 SEM. HRS.

- Theatre Curriculum 43 SEM. HRS.
- Required Courses (43 hrs.)
- COMM 1105 VOICE & DICTION 3
- COMM 4431 METHODS AND MATERIALS IN TEACHING
COMMUNICATION AND THEATRE 3
- THEA 1114 BODY TRAINING AND STAGE MOVEMENT..... 3
- THEA 1140 THEATRICAL PRODUCTION 2
- THEA 1148 THEATRE WORKSHOP* 1
- THEA 1151 TEXT ANALYSIS 3
- THEA 2212 THEATRICAL MAKEUP 1
- THEA 2230 ACTING 3
- THEA 2238/4432 ACTING WORKSHOP 1
- THEA 2244 INTRODUCTION TO THEATRICAL DESIGN 3
- THEA 2262/4462 PRODUCTION PRACTICUM..... 1
- THEA 3336 DIRECTING..... 3
- THEA 3340 THEATRE HISTORY I 3
- THEA 3344 ADVANCED THEATRICAL DESIGN 3
- THEA 3346 CREATIVE PUPPETRY 3
- THEA 3350 CHILDREN’S DRAMA..... 3
- THEA 3352 CREATIVE DRAMA 3
- THEA 3354 THEATRE EDUCATION PRACTICUM 1

*One hour of THEA 1148 (Theatre Workshop) must be taken concurrently with THEA 1140 (Theatrical Production). THEA 1148 or 3348 taken separately from THEA 1140 will not fulfill the requirement.

- Professional Education 39 SEM. HRS.
- EDUC 2200 INTRODUCTION TO EDUCATION 3
- EDUC 2201 INSTRUCTIONAL TECHNOLOGY 3
- EDUC 2203 HUMAN DEVELOPMENT, LEARNING & TEACHING..... 3
- EDUC 2240 HIGH INCIDENCE DISABILITIES FOR EDUCATORS 3
- EDUC 2260 INSTRUCTIONAL DESIGN 1 3
- EDUC 2265 FIELD EXPERIENCE 2 1
- EDUC 3331 READING IN THE CONTENT AREAS 3
- EDUC 3340 INSTRUCTIONAL DESIGN II 3
- EDUC 3351 INCLUSIVE CLASSROOM PRACTICES
FOR INDIVIDUAL DIFFERENCES 3
- EDUC 3365 FIELD EXPERIENCE 3 2
- EDUC 4485 ACTION RESEARCH 1
- EDUC 4486 PORTFOLIO 1
- EDUC 4496 SECONDARY STUDENT TEACHING 10

- Required General Studies Courses 39-41 SEM. HRS.
- Attribute IA- Critical Analysis
 - ENGL 1108 3
- Attribute IB - Quantitative Literacy
 - MATH 1107..... 3
- Attribute IC - Written Communication
 - ENGL 1104 3
- Attribute ID - Teamwork
 - COMM 2201 3
- Attribute IE - Information Literacy
 - ENGL 1108 (Met in Attribute IA).....X
- Attribute IF - Technology Literacy
 - BISM 1200..... 3
- Attribute IG - Oral Communication
 - COMM 2200..... 3
- Attribute III- Citizenship
 - Choose from III 3
- Attribute IV - Ethics
 - COMM 2201 (Met in Attribute ID)X
- Attribute V - Health
 - PHED 1100 or SCIE 1100 2-4
- Attribute VI - Interdisciplinary
 - Any course in VI 3
- Attribute VIIA - Arts
 - THEA in major 3352 Creative DramaX
- Attribute VIIB - Humanities
 - THEA 3375 Development of Dramatic Art..... 3
- Attribute VIIC - Social Sciences
 - Any course in VIIC..... 3
- Attribute VIID - Natural Science
 - Any course in VIID..... 4
- Attribute VIII- Cultural Awareness
 - Any ENGL course in VIII 3
- Additional General Studies hours
 - Major Course -THEA 3340 Writing Intensive Course.....X





Programs of Study

School of Nursing and Allied Health Administration

Dr. Mary Sharon Boni, Dean
244 Education Building / (304) 367-4767
Sharon.Boni@fairmontstate.edu

FACULTY

ABBOTT, AMANDA (2010)
Temporary Assistant Professor of Nursing

BATES, JOYCE A (2001)
Assistant Professor of Nursing

BOBO, LEIA (2011)
Assistant Professor of Nursing

BONI, MARY SHARON (2006)
Professor of Nursing

CONDRON, ELLEN (1990)
Associate Professor of Nursing

DERICO, KIMBERLY (2013)
Assistant Professor of Nursing

GALLO, VERONICA (2004)
Associate Professor of Nursing

HICKS, ALEXIS (2009)
Assistant Professor of Nursing

HOAG, DEBRA (2002)
Associate Professor of Nursing

KERWIN, VICKI (2007)
Associate Professor of Nursing

KIRBY, GALE T. (1989)
Assistant Professor of Nursing

KIRCHOFF, DENICE (1998)
Professor of Nursing

MITCHELL, JULIE (2014)
Assistant Professor of Nursing

ROGERS, TANYA L. (2001)
Associate Professor of Nursing

SHROYER, ASHLEY (2009)
Assistant Professor of Nursing

YOUNG, FRANCES T. (1997)
Associate Professor of Nursing

WAIDE, PEGGY (2013)
Assistant Professor of Nursing

ALLIED HEALTH ADMINISTRATION (BACHELOR OF SCIENCE)

This is a comprehensive program, which is 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 that are necessary 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.

To be eligible for admission to the Bachelor of Science Program in Allied Health Administration, a student must have an associate degree in a healthcare field from an accredited college. Requirements include General Studies courses, degree requirements, and a core curriculum, which encompasses accounting, management, problem solving, and allied health courses.

Students wishing to enroll in the Allied Health Administration courses are encouraged to complete the General Studies requirements and required support courses prior to enrolling in the ALLH core courses.

Students must earn a grade of "C" or higher in all required courses.

BACHELOR OF SCIENCE IN ALLIED

HEALTH ADMINISTRATION	120 SEM. HRS.
General Studies Requirements	36-37 SEM. HRS.
Allied Health/Support Curriculum	34 SEM. HRS.
(see below)	
Associate Degree Major Credits	35 SEM. HRS.
Electives	14-15 SEM. HRS.

- Allied Health Administration Curriculum.... 34 SEM. HRS.

Required Support Courses (18 hrs.)

BSBA 2201	PRINCIPLES OF ACCOUNTING I	3
BISM 1200	INTRO TO COMPUTING	3
BISM 2800	CORP COMM AND TECHNOLOGY	3
BSBA 2209	PRINCIPLES OF MANAGEMENT	3
MGMT 3308	HUMAN RESOURCE MANAGEMENT	3
MGMT 3390	ORGANIZATIONAL BEHAVIOR	3
BSBA 3310	BUSINESS & ECONOMIC STATISTICS	3
-OR-		
PSYC 2240	STATISTICS	3
-OR-		
MATH 1113	APPLIED STATISTICS	3

Required Allied Health Courses (13 hrs.)

ALLH 3301	HEALTH CARE ORGANIZATION	3
ALLH 3302	MANAGEMENT PROBLEMS OF THE HEALTH CARE DELIVERY SYSTEM	3
ALLH 3372	LEGAL AND MEDICAL ETHICS	3
ALLH 4401	ALLIED HEALTH PRACTICUM AND SEMINAR	4

- General Studies and Support Course Requirements

Attribute IA – Critical Analysis	
ENGL 1108, or any other choice	3
Attribute IB – Quantitative Analysis	
Any choice	3-4
Attribute IC – Written Communication	
ENGL 1104	3

Attribute ID – Teamwork	
BSBA 2209 (Satisfied in Major)	X
Attribute IE – Information Literacy	
ENGL 1108 (Already Counted)	X
Attribute IF – Technology Literacy	
BISM 1200 (Satisfied in Major)	X
Attribute IG – Oral Communication	
COMM 2202 (Satisfied in Major)	X
Attribute III Citizenship	
Any choice	3
Attribute IV – Ethics	
COMM 2200 (Satisfied in Major)	X
Attribute V – Health and Well-being	
Any choice	2-5
Interdisciplinary and Lifelong Learning	
Any choice	3-4
Attribute VIIA – Fine Arts	
Any choice (3 credits required)	3
Attribute VIIB – Humanities	
Any choice	3
Attribute VIIC – Social Studies	
Any choice	3
Attribute VIID – Natural Sciences	
Any choice	4
Attribute VIII – Cultural Awareness and Human Dignity	
Any choice	3

NURSING

(BACHELOR OF SCIENCE IN NURSING DEGREE)

The Bachelor of Science in Nursing Program is designed for registered nurses who desire a baccalaureate degree in nursing. It provides career mobility for the associate degree and diploma-graduate nurse. The program is designed to prepare nurse generalists to provide and coordinate care in situations of health promotion, maintenance, and restoration. The program aims to provide a base for graduate study and to prepare graduates to assume accountability for nursing practice in the roles of nurse generalist; care provider, designer, manager, and coordinator; and member of the profession.

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. The program can be completed in two full-time academic years or one accelerated academic year under certain circumstances. Students may enroll on a full-time or part-time basis. Nursing courses will be offered online with optional face-to-face class sessions. A grade of "C" or above is required in all courses, and students must maintain a 2.0.

The Bachelor of Science in Nursing Program at Fairmont State is accredited by the Commission on Collegiate Nursing Education (CCNE). Individuals interested in more information on accreditation may contact: Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202) 887-6791.

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) Hold an unencumbered license to practice as a Registered Nurse in West Virginia. Students will receive 35 credits for nursing licensure. Any nursing credits above the 35 awarded will be counted as free electives.

- 3) Submit an application for admission, designating the major as Baccalaureate in Nursing, to the Office of Admissions. The following information must also be submitted:
- Official college or diploma program transcripts.
 - Evidence of compliance with CPR, health, & immunization requirements (must be provided prior to Jan. 30 for spring admission and Aug. 30 for fall admission).
 - Completed immunizations (must meet clinical agency requirements).
- 4) Have any eligible transfer courses evaluated by the Registrar's Office.
- 5) Have a satisfactory background check and drug screen prior to admission.

Students interested in the program are encouraged to contact the Department of Nursing for advisement purposes.

The following courses are required for completion of this program. All required courses must be completed prior to or concurrently with Nursing 4440. Active, unencumbered nursing licensure is required for enrollment in NURS 3350 and above.

The Bachelor's Degree in Nursing offers an option of School Nurse Certification. Education 2200 and the School Nurse Practicum 4441 are required for this certificate. Registered nurses who already have a BSN degree would also take Education 2200 and Nursing 4441.

BACHELOR OF SCIENCE DEGREE

IN NURSING	120 SEM. HRS
Required Nursing Courses	28 SEM. HRS.
Required Support Courses.....	6-7 SEM. HRS.

- Nursing Licensure Credits 35 SEM. HRS.
General Studies..... 31 SEM. HRS.
Electives 19-20 SEM. HRS.

• General Studies and Support Course Requirements

Attribute IA – Critical Analysis NURS 3360, NURS 4440, or any other choice (Satisfied in Major)	X
Attribute IB – Quantitative Literacy MATH 1107 or higher	3
Attribute IC – Written Communication ENGL 1104 AND ENGL 1108.....	6
Attribute ID – Teamwork NURS 4440, NURS 4400, or any other choice (Satisfied in Major)	X
Attribute IE – Information Literacy NURS 4400 or any other choice (Satisfied in Major)	X
Attribute IF – Technology Literacy NURS 4430 or any other choice (Satisfied in Major)	X
Attribute IG – Oral Communication COMM 2200, COMM 2201, or COMM 2202	3
Attribute III – Citizenship Any choice	3
Attribute IV – Ethics NURS 3360 or any other choice (Satisfied in Major)	X
Attribute V – Health and Well-being NURS 4410, Any approved NURS course, or any other choice (Satisfied in Major)	X

Attribute VI – Interdisciplinary NURS 4440 or any other choice (Satisfied in Major)	X
Attribute VIIA – Fine Arts Any choice (3 credit hours required)	3
Attribute VIIB – Humanities Any literature course	3
Attribute VIIC – Social Sciences Any choice	3
Attribute VIID – Natural Sciences Any choice	3
Attribute VIII – Cultural Awareness Any Choice	3

Support Courses

Statistics PSYC 2240, BSBA 3310, SOCY 2240, OR MATH 1113	3-4
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Management BSBA 2209 OR MGMT 3308.....	3
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• Required BSN Nursing Courses 28 SEM. HRS.

NURS 3320 HEALTH ASSESSMENT	4
NURS 3340 NURSING CARE OF THE OLDER ADULTS	3
NURS 3350 PROFESSIONAL NURSING CONCEPTS.....	3
NURS 3360 NURINGS ETHICS.....	3
NURS 4400 RESEARCH IN NURSING PRACTICE.....	3
NURS 4410 COMMUNITY HEALTH NURSING.....	5
NURS 4430 LEADERSHIP & MANAGEMENT IN NURSING PRACTICE	3
NURS 4440 NURSING PRACTICUM.....	4

• Accelerated BSN

Students who have completed almost all of the general studies and support courses may opt for the Accelerated BSN Program of Study. The accelerated track allows a student to take 15 nursing credits in the fall semester and 13 nursing credits in the spring semester and complete the program in one academic year. Advisor permission is required.

• School Nurse Certificate

(must have a BSN or be currently enrolled in FSU's BSN Program)

NURS 4441 SCHOOL NURSE PRACTICUM	4
EDUC 2200 INTRODUCTION TO EDUCATION.....	3

NURSING

(ASSOCIATE OF SCIENCE IN NURSING DEGREE)

The mission of the Associate of Science in Nursing Program is to provide quality nursing education to people in north central West Virginia and beyond. The program is designed to prepare graduates for a challenging and satisfying career as a nurse. The curriculum includes a balance of nursing, General Studies, and support courses. Students have the opportunity to apply nursing theory and skills in the campus simulation laboratories, in clinical settings which may include hospitals homes, a rehabilitation center, schools, clinics, and physicians' offices. Students are expected to provide their own transportation to all clinical experiences.

Fairmont State’s associate degree nursing program is designed to produce a graduate who is able to:

- 1) Initiate client care using critical thinking skills to make reasoned decisions.
- 2) Practice social and professional accountability and responsibility.
- 3) Synthesize knowledge from nursing and the physical, biological, behavioral and social sciences to implement the nursing process.
- 4) Establish effective therapeutic communication with clients.
- 5) Demonstrate competency in therapeutic nursing interventions.
- 6) Coordinate client care functioning in the multiple roles of care provider, teacher, communicator, manager, and member of the profession.

Applicants are admitted to the nursing major as they complete the admission process and meet the admission requirements of Fairmont State University and the Associate Degree Nursing Program. Accepted students will be admitted into the next admission class for the ASN and LPN-ASN programs. As one class is filled, accepted applicants will be admitted into the next admission class. Application and admission requirements can be found on the website at <http://www.fairmontstate.edu/academics/nursingdept/resources/application/default.asp>.

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 sequenced in the program according to the Readmission Policy. A student may only be resequenced in the program one time. To graduate from the nursing program, a student must have a grade of “C” or above in every nursing 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 Nurse. 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:

- a) Is or was guilty of fraud or deceit in procuring or attempting to procure a license to practice registered professional nursing; or
- b) Has been convicted of a felony; or
- c) Is unfit or incompetent by reason of negligence, habits or other causes; or
- d) Is habitually intemperate or is addicted to the use of habit-forming drugs; or
- e) Is mentally incompetent; or
- f) Is guilty of conduct derogatory to the morals or standing of the profession of registered nursing; or

- g) Is practicing or attempting to practice registered professional nursing without a license or registration; or
- h) Has willfully or repeatedly violated any of the provisions of this article

The nursing program is accredited by the West Virginia Board of Examiners for Registered Professional Nurses(WVBOERP/N) and the Accreditation Commission for Education in Nursing(ACEN).

WVBOERP/N 101 Dee Drive, Suite 102 Charleston, WV 25311-1620 (304) 558-3596	ACEN 3343 Peachtree Road NE, Suite 850 Atlanta Georgia 30326 404) 975-5000
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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.

ASSOCIATE OF SCIENCE IN NURSING	60 SEM. HRS.
Required Nursing Courses	40 SEM. HRS.
Required General Studies and Support Courses.....	20 SEM. HRS.

• ASN General Studies and Support Course Requirements

Attribute IA – Critical Analysis	
ENGL 1108 – Written English II	3
Attribute IC – Written Communication	
ENGL 1104 Written English I.....	3
Attribute VIIC – Social Science	
PSYC 1101 Intro to Psychology.....	3
Attribute VIID – Natural Science	
HLCA 1170/ 71 Anatomy and Physiology.....	4
and BIOL 2205 Technical Microbiology	4
Additional Support Courses	
FOSM 1110 Nutrition.....	3

• Required Nursing Courses for the traditional ASN Program:

NURS 1100	INTRO TO THERAPEUTIC COMM. & ASSESSMENT.....	1
NURS 1101	FUNDAMENTALS OF NURSING	6
NURS 1108	NURSING CARE OF ADULTS I	6
NURS 1109	MATERNAL & NEWBORN NURSING	3
ALLH 1110	PHARMACOLOGY I	1
NURS 2208	NURSING CARE OF ADULTS II	7
NURS 2203	MENTAL HEALTH NURSING	3
ALLH 2110	PHARMACOLOGY II	1
NURS 2209	NURSING OF CHILDREN.....	4
NURS 2211	CONTEMPORARY NURSING & MANAGEMENT.....	3
NURS 2212	ADVANCED NURSING CARE	4
ALLH 2210	PHARMACOLOGY III	1

LPN TO ASN ACCELERATED TRACKS

Once admitted to the Associate Degree Nursing Program, Licensed Practical Nurses are eligible for one of two matriculation processes.

- 1.) LPN students can chose to matriculate through the program with the generic students starting in the



spring semester of the first year of the ASN program. LPN students receive credit for NURS 1101 (6 credits) based on possessing a current and unencumbered LPN license. Thus, the nursing courses can be completed in 3 full-time semesters. General Studies and support course requirements will need to be taken prior to and/or concurrently with the nursing courses.

-OR-

- 2.) Once admitted to the Associate Degree in Science Nursing Program, the LPN can choose the Accelerated Non-Traditional Track. The LPN student starts the program in the summer semester 2014. Starting in 2014, the LPN-ASN program will start in the fall semester. The classes are offered online in the evenings and the clinical component is done on one Friday and Saturday each month. The student can complete the program in 12 months by completing most of the General Studies and support course requirements prior to starting the summer session.

HLCA 1170/71, Anatomy and Physiology and FOSM 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 Degree Nursing program should review the application process on the School of Nursing & Allied Health Administration Academic home pages at <http://www.fairmontstate.edu/academics/nursingdept/resources/application/default.asp>

- Required Nursing Courses for the Non-traditional LPN-ASN Program:

BIOL	2205	TECHNICAL MICROBIOLOGY	4
NURS	1200	NURSING CARE ACROSS THE LIFESPAN I.....	7
NURS	1201	MENTAL HEALTH ACROSS THE LIFESPAN.....	3
NURS	1202	ASSESSMENT ACROSS THE LIFESPAN I	1
NURS	1203	TRANSITION FOR LPN.....	1
NURS	1204	PHARMACOLOGY ACROSS THE LIFESPAN I	1
NURS	2301	NURSING CARE ACROSS THE LIFESPAN II.....	7
NURS	2302	ASSESSMENT ACROSS THE LIFESPAN II	1
NURS	2302	PHARMACOLOGY ACROSS THE LIFESPAN II	1
NURS	2401	NURSING CARE ACROSS THE LIFESPAN III.....	5
NURS	2402	ROLE TRANSITION, PROFESSIONALISM, &	
		MANAGEMENT.....	3
NURS	2403	CAPSTONE CLINICAL EXPERIENCE	3
NURS	2404	PHARMACOLOGY ACROSS THE LIFESPAN III	1

TRANSFER STUDENTS

Students wishing to transfer into the ASN Program, must first be accepted into the incoming first year class. Only the support Courses, General Studies Courses and Fundamentals of Nursing course will be accepted as transfer credits. All other core nursing courses must be completed at FSU.

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 affiliates. 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 Nursing and Allied Health Administration programs; the liability insurance is handled by the State of West Virginia. Students are not obligated to maintain any other liability insurance.

LAPTOP COMPUTERS

Students are required to have a laptop computer for the program. Computer requirements are listed on the website at <http://www.fairmontstate.edu/schoolofnaha/download-section>



Programs of Study

Interdisciplinary Programs

COMPUTER FORENSICS (MINOR ONLY)

The Minor in Computer Forensics provides basic knowledge for those students and practitioners who have an interest in criminal justice and computer crime investigation.

MINOR IN COMPUTER FORENSICS 18 SEM. HRS.

Required Courses (9 hrs.)

CRIM	2203	COMPUTER CRIME: LEGAL ISSUES AND INVESTIGATIVE PROCEDURES	3
INFO	2205	INFORMATION TECHNOLOGY-HARDWARE AND OPERATING SYSTEMS.....	3
INFO	2250	NETWORKING FUNDAMENTALS.....	3

Electives (9 hrs)

(Students must select at least one course from each field)

CRIM	2246	CRIMINAL EVIDENCE.....	3
CRIM	3340	LAWS OF ARREST, SEARCH AND SEIZURE.....	3
CRIM	4410	RESEARCH IN CRIMINAL JUSTICE.....	3
CRIM	4411	FIELD PRACTICUM.....	3
INFO	2200	FUNDAMENTALS OF INFORMATION SYSTEMS	3
INFO	3310	SYSTEMS ANALYSIS AND DESIGN	3
INFO	3339	PROGRAMMING, DATA & FILE STRUCTURES.....	4
INFO	3340	ADVANCED APPLICATION DEVELOPMENT	3
INFO	4420	DATABASE DESIGN AND IMPLEMENTATION.....	3

WOMEN'S STUDIES (MINOR ONLY)

The Women's Studies minor provides students with an avenue to explore contemporary and historical women's issues as they relate to traditional academic disciplines

and human life. Awareness of women's 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 Studies Coordinating Committee.

MINOR IN WOMEN'S STUDIES 18 SEM. HRS.

Required Courses (6 hrs.)

INTR	2201	INTRODUCTION TO WOMEN'S STUDIES.....	3
INTR	4402	CAPSTONE SEMINAR IN WOMEN'S STUDIES.....	3

Electives (12 hrs.)

(Select two courses from each of the following groups)

GROUP A

BSBA	3325	WOMEN AND WORK.....	3
CRIM	3304	THE FEMALE OFFENDER	3
CRIM	3305	CHANGING ROLES OF WOMEN IN CRIMINAL JUSTICE.....	3
ENGL	3388	WOMEN'S LITERATURE.....	3
HIST	3333	SOCIAL HISTORY OF AMERICAN WOMEN.....	3

GROUP B

APPD	1103	CLOTHING AND CULTURE	3
APPD	1116	HISTORY OF CONTEMPORARY FASHION.....	3
ENGL	3363	AMERICAN NOVEL.....	3
ENGL	3366	CONTEMPORARY LITERATURE.....	3
ENGL	3379	VICTORIAN LITERATURE	3
ENGL	3380	20TH CENTURY BRITISH LITERATURE	3
ENGL	3381	BRITISH NOVEL.....	3
ENGL	3389	MINORITY LITERATURE.....	3
ENGL	3391	SHORT STORY.....	3
ENGL	3393	SOUTHERN LITERATURE	3
ENGL	3396	LITERATURE AND FILM	3
FACS	3310	FAMILY LIFE EDUCATION	3
FOSM	1110	NUTRITION	3
INTR	1150	WOMEN'S STUDIES COLLOQUIUM	1-3
INTR	2200	RACE, CLASS AND GENDER IN POPULAR CULTURE	3
INTR	2280	EMPOWERING LEADERSHIP	3
INTR	2281	GREAT IDEAS OF LEADERS	3
INTR	3380	GREAT LEADERS	3



General Studies Requirements for the Bachelor's Degree

The general studies 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 general studies transcend specific disciplines and are valued by employers at all levels and by society in general. Fairmont State University supports a general studies curriculum so that our students appreciate the diversity of disciplines as they discover possibilities in their interdependence.

The skills and knowledge obtained by completing general studies 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 University expects its students to have when they graduate comes from general studies courses.

Students must complete at least one course in each of the following general studies categories:

- I.A. – Critical Analysis
- I.B. – Quantitative Literacy
- I.C. – Written Communication
- I.D. – Teamwork
- I.E. – Information Literacy
- I.F. – Technology Literacy
- I.G. – Oral Communication
- III. – Citizenship
- IV. – Ethics
- V. – Health and Well-being
- VI. – Interdisciplinary and Lifelong Learning
- VII.A – Fine Arts
- VII.B. – Humanities
- VII.C. – Social Sciences
- VII.D. – Natural Sciences
- VIII. – Cultural Awareness and Human Dignity

- Students must complete at least 30 hours of coursework outside of their major **as determined by the course prefix**. Academic units may select courses for majors to fulfill certain categories as long as the 30 hours of coursework outside of the major is achievable.
- Students may use a single course to satisfy no more than 2 categories.
- Students must complete **6 hours of Written English** (ENGL 1104 and ENGL 1108). These courses may also be used to fulfill any additional category for which they have been approved.
- Students must complete 3 hours (single course or multiple courses) to fulfill Attribute VIIA – Fine Arts.

Students should choose courses to fulfill categories by using knowledge of any program requirements and course prerequisites.

Students are encouraged to ALWAYS check with their assigned advisor before registering for courses.

GENERAL STUDIES COURSE LIST				
IA		Critical Analysis		Prerequisite Requirements
BISM	2200	Business Information Tools	3 hrs.	BISM 1200 and Math Act of 19 or Math 1100 or higher
ENGL	1108	Written English II	3 hrs.	ENGL 1104 with a Grade of "C" or better
ENGL	1109	Technical Report Writing	3 hrs.	ENGL 1104 with a Grade of "C" or better
ENGL	2220	World Literature I	3 hrs.	ENGL 1108
ENGL	2221	World Literature II	3 hrs.	ENGL 1108
ENGL	2230	Introduction to Literature I	3 hrs.	ENGL 1108
ENGL	2231	Introduction to Literature II	3 hrs.	ENGL 1108
ENGL	3332	Narrative & Descriptive Writing	3 hrs.	ENGL 1108
ENGL	3356	Fantasy, Sci-Fi, & Magical Realism	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3386	The Bible as Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3388	Women's Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3389	Minority Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3396	Literature and Film	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3387	Folk Literature	3 hrs.	ENGL 1108 and ENGL 2220
HONR	1100	Honors Seminar	1 hr.	Honors Program students only; Instructor approval required
HONR	3301	Honors Study/Travel	3 hrs.	Honors Program students only; Instructor approval required
MECH	1100	Statics	3 hrs.	MATH 1102 or MATH 1115 or Co-requisite w/ MATH 1102
NURS	3360	Ethical Decision Making	3 hrs.	NURS 3340 and NURS 3350; NURS 3340 may be taken concurrently.
NURS	4440	Nursing Practicum	4 hrs.	NURS 4410 and 4430. NURS 4430 may be taken concurrently.
PHIL	2275	Intro to Logic and Critical Reasoning	3 hrs.	None
PSYC	3310	Experimental Psychology	3 hrs.	PSYC 2240
SFTY	1100	Safety & Env. Comp. of Industry	3 hrs.	None
IB		Quantitative Literacy		Prerequisite Requirements
CHEM	1105	Chemical Principles I	5 hrs.	MATH ACT of 20 or MATH SAT of 480 or COMPASS score of 42 or CHEM 1101 with a grade of "C" or better.
MATH	1101	Applied Technical Mathematics	3 hrs.	MATH ACT of 19 or MATH SAT of 460 or COMPASS score of 36 or Math 0095 or Math 0088.
MATH	1107	Fundamental Concepts of Math	3 hrs.	MATH ACT of 19 or MATH SAT of 460 or COMPASS score of 36 or Math 0095 or Math 0086.
MATH	1112	College Algebra	3 hrs.	MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1100
MATH	1115	Trigonometry & Elementary Functions	3 hrs.	MATH ACT score of 23 or MATH SAT of 540 or COMPASS score of 63 or a C or better in MATH 1112
MATH	1185	Applied Calculus I	4 hrs.	MATH ACT score of 24 or MATH SAT of 560 or COMPASS score of 67 or MATH 1115 or MATH 1102 with "B" or better
MATH	1190	Calculus I	4 hrs.	MATH ACT score of 25 or MATH SAT of 570 or COMPASS score of 73 or MATH 1115 or MATH 1170 or MATH 1186

IC		Written Communication		Prerequisite Requirements
ENGL	1104	Written English I	3 hrs.	ACT score of 18, SAT-Critical Reading of 450 or COMPASS score of 71 or developmental writing course
ENGL	1108	Written English II	3 hrs.	ENGL 1104 with a Grade of "C" or better
ENGL	1109	Technical Report Writing	3 hrs.	ENGL 1104 with a Grade of "C" or better
ENGL	3332	Narrative & Descriptive Writing	3 hrs.	ENGL 1108
ENGL	3333	Writing Non-Fiction	3 hrs.	ENGL 1108
ENGL	3344	Writing Poetry	3 hrs.	ENGL 1108
ENGL	3345	Writing Fiction	3 hrs.	ENGL 1108
HONR	1100	Honors Seminar	1 hr.	Honors Program students only; Instructor approval required
ID		Teamwork		Prerequisite Requirements
ARCH	3300	Design III	4 hrs.	ARCH 2250
ART	1140	Design I: 2D	3 hrs.	None
ART	1141	Design II: 3D	3 hrs.	None
CHEM	4412	Physical Chemistry II	4 hrs.	CHEM 3301, PHYS 1102 or 1106, MATH 1186 or 3315
CIVL	2200	Introduction to Surveying	3 hrs.	None
COMM	2200	Introduction to Human Communication	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
COMM	2201	Introduction to Group Communication	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
CRIM	2295	Ethics in Criminal Justice	3 hrs.	None
CRIM	3330	Group Disturbances	3 hrs.	CRIM 2212
ENGL	1109	Technical Report Writing	3 hrs.	ENGL 1104 with a Grade of "C" or better
FREN	4411	Advanced French Composition and Convers.	3 hrs.	FREN 3312
MANF	1100	Materials and Processes	3 hrs.	None
MANF	2250	Total Quality & SPC	3 hrs.	None
MECH	4430	Heat Transfer II	3 hrs.	MECH 3330
BSBA	2209	Principles of Management	3 hrs.	None
MUSI	1112	Piano Ensemble	1 hr.	None
MUSI	2247	Jazz Ensemble	1 hr.	None
MUSI	1167	Collegiate Singers	1 hr.	None
MUSI	1168	Marching Band I-II	2 hrs.	None
MUSI	1169	Wind Ensemble	1 hr.	None
NURS	4440	Nursing Practicum	4 hrs.	NURS 4410 and 4430. NURS 4430 may be taken concurrently.
NURS	4400	Research in Nursing Practice	4 hrs.	NURS 3360 and statistics. Statistics may be taken concurrently.
RECR	1141	Introduction to Recreation	3 hrs.	None
SFTY	4420	System Safety and Management	4 hrs.	SFTY 4400, MATH 1113
SOCY	3301	Ethnology	3 hrs.	SOCY 1110
SPAN	4400	Survey of Latin American Literature	3 hrs.	SPAN 3301 OR SPAN 3302
TECH	1101	Introduction to Technology	3 hrs.	None

IE		Information Literacy		Prerequisite Requirements
EDUC	2201	Instructional Technology	3 hrs.	None
ENGL	1108	Written English II	3 hrs.	ENGL 1104 with a Grade of "C" or better
HONR	3301	Honors Study Travel	3 hrs.	Honors Program students only; Instructor approval required
NURS	4400	Research in Nursing Practice	3 hrs.	NURS 3360 and statistics. Statistics may be taken concurrently.
SFTY	2250	Safety Law and Compliance	4 hrs.	SFTY 1100
IF		Technology Literacy		Prerequisite Requirements
ARCH	2060	Building Technology I		Co-requisite - ARCH 2000 Design I: Foundation
ART	2245	E. Foundations	3 hrs.	None
BISM	1200	Introduction to Computing	3 hrs.	None
BISM	2200	Business Information Tools	3 hrs.	BISM 1200 AND MATH ACT score of 19 or MATH 1100 or higher
CIVL	2210	Light Construction	4 hrs.	Co-requisite - MATH 1101
EDUC	2201	Instructional Technology	3 hrs.	None
ENGL	1109	Technical Report Writing	3 hrs.	ENGL 1104 with a Grade of "C" or better
MUSI	1111	Introduction to Music Technology	3 hrs.	Pre-Music or Music majors only
NURS	4430	Nursing Leadership/Management	3 hrs.	BSBA 2209 or MGMT 3308 and NURS 4400. BSBA and MGMT may be taken concurrently.
SFTY	3300	Industrial Hygiene Application and Practice	4 hrs.	ENGL 1108 and SFTY 2290
TECH	1100	Technology and Society	3 hrs.	None
IG		Oral Communication		Prerequisite Requirements
ARCH	4450	Design V	4 hrs.	ARCH 3350
COMM	2200	Intro to Human Communication	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
COMM	2201	Introduction to Group Discussion	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
COMM	2202	Into to Communication in World of Work	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
ENGL	1109	Technical Report Writing	3 hrs.	ENGL 1104 with a Grade of "C" or better
SPAN	1101	Elementary Spanish I	3 hrs.	None
SPAN	1102	Elementary Spanish II	3 hrs.	SPAN 1101
II		Proficiency in the Major		To Be Fulfilled By Major Courses
III		Citizenship		Prerequisite Requirements
HIST	1107	United States History I	3 hrs.	None
HIST	1108	United States History II	3 hrs.	None
POLI	1103	American Government	3 hrs.	None

IV		Ethics		Prerequisite Requirements
BSBA	4420	Business Ethics and Corporate Accountability	3 hrs.	BUSN 3320 AND BISM 3200
CIVL	4420	Construction Planning & Administration	3 hrs.	CIVL 2230
COMM	2200	Intro to Human Communication	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
COMM	2201	Introduction to Group Discussion	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
COMM	2202	Intro to Communication in World of Work	3 hrs.	Completion of ENG 1104 with a C or better grade or a Verbal ACT score of 21 or higher
CRIM	2295	Ethics in Criminal Justice	3 hrs.	None
ENGL	2220	World Literature I	3 hrs.	ENGL 1108
ENGL	2221	World Literature II	3 hrs.	ENGL 1108
ENGL	2230	Introduction to Literature: Prose	3 hrs.	ENGL 1108
ENGL	2231	Introduction to Literature: Poetry & Drama	3 hrs.	ENGL 1108
ENGL	3356	Fantasy, Science Fiction, & Magical Realism	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
HONR	1100	Honors Seminar	3 hrs.	Honors Program students only; Instructor approval required
INTR	2200	Race, Class & Gender	3 hrs.	ENGL 1104 with a Grade of "C" or better
INTR	2280	Empowering Leadership	3 hrs.	ENGL 1104 with a Grade of "C" or better
MANF	2250	Total Quality & SPC	3 hrs.	None
NURS	3360	Nursing Ethics	3 hrs.	NURS 3340 and NURS 3350; NURS 3340 may be taken concurrently
PHIL	3325	Ethics	3 hrs.	None
SCIE	1221	Evolution and Human Nature	4 hrs.	English ACT score of 18, or SAT-Critical Reading of 450, or Reading of 71 on the COMPASS test or ENGL 0092 and ENG 0097
SOCY	1110	Introductory Sociology	3 hrs.	None
SOCY	2200	Social Problems	3 hrs.	SOCY 1110
TECH	1100	Technology and Society	3 hrs.	None
V		Health and Well-being		Prerequisite Requirements
CRIM	2212	Deviant Behavior	3 hrs.	None
EDUC	2203	Human Development, Learning & Teaching	3 hrs.	Admission to Teacher Education
HLTA	1100	Personal Health	2 hrs.	None
HLTA	2203	Contemporary & Drug Behavior Issues	3 hrs.	ENGL 1108
NURS	4410	Community Health Nursing	5 hrs.	NURS 3360 AND NURS 4400
SCIE	1100	Human Biology	4 hrs.	None
PHED	1100	Fitness and Wellness	2 hrs.	None

VI		Interdisciplinary and Lifelong Learning		Prerequisite Requirements
ENGL	3386	The Bible as Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3387	Folk Literature	3 hrs.	ENGL 1108 and ENGL 2220
ENGL	3388	Women's Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3389	Minority Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3394	The Art of the Motion Picture	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3396	Literature and Film	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
FOLK	2200/01	Introduction to Folklore & Lab	4 hrs.	None
FOLK	3300	Folk Literature	3 hrs.	ENGL 1108
GEOG	2210	Introduction to Geography	3 hrs.	None
GEOG	3305	Economic Geography	3 hrs.	None
GEOG	3315	Urban Geography	3 hrs.	None
GEOG	3330	Geography of North America	3 hrs.	None
GEOG	3340	Geography of Europe	3 hrs.	None
GEOG	3370	Geography of Asia	3 hrs.	None
HONR	3301	Honors Study Travel	3 hrs.	Honors Program students only; Instructor approval required
INTR	2280	Empowering Leadership	3 hrs.	ENGL 1104 with a Grade of "C" or better
LANG	1110	Introduction to Global Studies	3 hrs.	None
NURS	4440	Nursing Practicum	4 hrs.	NURS 4410 and 4430. NURS 4430 may be taken concurrently.
POLI	1103	American Government	3 hrs.	None
SFTY	4420	System Safety and Management	4 hrs.	SFTY 4400, MATH 1113
SOCY	2200	Social Problems	3 hrs.	None
VIIA		Fine Arts (minimum 3 hours)		Prerequisite Requirements
ART	1120	Art Appreciation	3 hrs.	None
ART	3374	Art History: to 1450	3 hrs.	ENGL 1108
ART	3378	Art History: 1750-1950	3 hrs.	ENGL 1108
ART	3383	Pottery I	3 hrs.	None
ENGL	3332	Narrative and Descriptive Writing	3 hrs.	ENGL 1108
ENGL	3333	Writing Non-Fiction	3 hrs.	ENGL 1108
ENGL	3344	Writing Poetry	3 hrs.	ENGL 1108
ENGL	3345	Writing Fiction	3 hrs.	ENGL 3332
ENGL	3394	The Art of the Motion Picture	3 hrs.	ENGL 1108 and ENGL 2221
INTR	1120	Experiencing the Arts	3 hrs.	None
MUSI	1106	Guitar Class I - II	1 hr.	None
MUSI	1120	Music Appreciation	3 hrs.	None
MUSI	1167	Collegiate Singers	1 hr.	None
MUSI	1168	Marching Band	2 hrs.	None
MUSI	1169	Wind Ensemble	1 hr.	None
MUSI	2206	Music Appreciation for Majors	3 hrs.	Pre music or Music Majors only
MUSI	2247	Jazz Ensemble	1 hr.	Admission is by audition at the discretion of the director
MUSI	2277	Chamber Choir	1 hr.	Audition at beginning of each semester
MUSI	2279	Advanced Percussion Ensemble	1 hr.	Audition or admission at the discretion of the director
THEA	1120	Theatre Appreciation	3 hrs.	None
THEA	3352	Creative Drama	3 hrs.	None

VIIB		Humanities		Prerequisite Requirements
FOLK	2200	Introduction to Folklore	3 hrs.	None
ENGL	2220	World Literature I	3 hrs.	ENGL 1108
ENGL	2221	World Literature II	3 hrs.	ENGL 1108
ENGL	2230	Introduction to Literature: Prose	3 hrs.	ENGL 1108
ENGL	2231	Introduction to Literature: Poetry & Drama	3 hrs.	ENGL 1108
ENGL	3356	Fantasy, Sci-Fi, & Magic Realism	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3386	The Bible as Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3387	Folk Literature	3 hrs.	ENGL 1108 and ENGL 2220
ENGL	3388	Women's Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3389	Minority Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3394	The Art of the Motion Picture	3 hrs.	ENGL 1108 and ENGL 2221
ENGL	3396	Literature and Film	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
FOLK	3300	Folk Literature	3 hrs.	ENGL 1108
FREN	3314	French Civilization and Culture	3 hrs.	FREN 2202
FREN	4426	French Literature and Culture	3 hrs.	FREN 3312
HIST	1107	United States History I	3 hrs.	None
HIST	1108	United States History II	3 hrs.	None
HIST	2211	World Civilizations I	3 hrs.	None
HIST	2212	World Civilizations II	3 hrs.	None
HIST	2213	World Civilizations III	3 hrs.	None
HONR	3301	Honors Study Travel	3 hrs.	Honors Program students only; Instructor approval required
INTR	1120	Experiencing the Arts	3 hrs.	None
PHIL	2250	Great Philosophers	3 hrs.	This course is continuation of PHIL 2200
THEA	3375	Development of Dramatic Arts	3 hrs.	ENGL 1108
VIIC		Social Science		Prerequisite Requirements
CRIM	2202	Principles of Criminal Law	3 hrs.	None
CRIM	2212	Deviant Behavior	3 hrs.	None
CRIM	3310	Comparative Criminal Justice	3 hrs.	None
BSBA	2200	Economics	3 hrs.	None
BSBA	2211	Economics Principles/Problems I	3 hrs.	None
GEOG	2210	Introduction to Geography	3 hrs.	None
GEOG	3305	Economic Geography	3 hrs.	None
GEOG	3315	Urban Geography	3 hrs.	None
GEOG	3330	Geography of North America	3 hrs.	None
GEOG	3340	Geography of Europe	3 hrs.	None
GEOG	3370	Geography of Asia	3 hrs.	None
POLI	2200	Introduction to Political Science	3 hrs.	None
POLI	2201	Principles of International Relations	3 hrs.	None
POLI	2203	Comparative Government	3 hrs.	None
PSYC	1101	Introduction to Psychology	3 hrs.	None
SOCY	1110	Introduction to Sociology	3 hrs.	None

VIID		Natural Science		Prerequisite Requirements
BIOL	1104	Biosphere	4 hrs.	Elementary Education majors only.
BIOL	2205	Technical Microbiology	4 hrs.	None
BIOL	1105	Biological Principles I	4 hrs.	A score of 21 or better on the ACT Science Reasoning section or SCIE 1000 with a C or better or BIOL 1106 with a C or better.
BIOL	1106	Biological Principles II	4 hrs.	A score of 21 or better on the ACT Science Reasoning section or SCIE 1000 with a C or better or BIOL 1105 with a C or better.
HLCA	1170	Anatomy and Physiology (and 1171 lab)	4 hrs.	None
CHEM	1101	General Chemistry	4 hrs.	ACT math score of 19; or SAT Math score of 460 or Compass score of 36 or Elementary Algebra 0095
CHEM	1105	Chemical Principles I	5 hrs.	ACT math score of 20; SAT Math 480, Compass score of 42 or CHEM 1101 with a grade of C or better.
GEOL	1101	Physical Geology	4 hrs.	None
GEOL	1102	Historical Geology	4 hrs.	GEOL 1101
PHYS	1101	Introduction to Physics I	4 hrs.	MATH 1102 OR MATH 1115 OR MATH 1185 OR MATH 1190 OR MATH ACT 24 OR MATH SAT 560 OR Compass 67
PHYS	1102	Introduction to Physics II	4 hrs.	PHYS 1101
PHYS	1105	Principles of Physics I	4 hrs.	MATH 1185 OR MATH 1190 OR TECH 2290 OR MATH ACT 28 OR MATH SAT 630 OR Compass 89
SCIE	1100	Human Biology	4 hrs.	None
SCIE	1103	Science That Matters I	4 hrs.	None
SCIE	1105	Environmental Science	4 hrs.	None
SCIE	1107	Geographic Information Systems (GIS)	4 hrs.	None
SCIE	1110	Chemistry of Life	4 hrs.	None
SCIE	1115	Earth and Sky	4 hrs.	None
SCIE	1120	Introduction to Meteorology	4 hrs.	None
SCIE	1210	Science in the Heart of Appalachia	4 hrs.	None
SCIE	1220	Geological Heritage in the Field	4 hrs.	None
SCIE	1221	Evolution and Human Nature	4 hrs.	English ACT score of 18, or SAT-Critical Reading of 450, or Reading of 71 on the COMPASS test or ENGL 0092 and ENG 0097

VIII		Cultural Awareness and Human Dignity		Prerequisite Requirements
BSBA	3320	International Business	3 hrs.	BSBA 2209, BSBA 2204 AND BSBA 2211
CRIM	3310	Comparative Criminal Justice	3 hrs.	None
ENGL	2220	World Literature I	3 hrs.	ENGL 1108
ENGL	2221	World Literature II	3 hrs.	ENGL 1108
ENGL	2230	Introduction to Literature: Prose	3 hrs.	ENGL 1108
ENGL	2231	Introduction to Literature: Poetry & Drama	3 hrs.	ENGL 1108
ENGL	3386	The Bible as Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3388	Women's Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3389	Minority Literature	3 hrs.	ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231
ENGL	3387	Folk Literature	3 hrs.	ENGL 1108 and ENGL 2220
FREN	3314	French Civilization and Culture	3 hrs.	FREN 2202
FREN	4426	French Literature and Culture	3 hrs.	FREN 2202
GEOG	2210	Introduction to Geography	3 hrs.	None
GEOG	3305	Economic Geography	3 hrs.	None
GEOG	3315	Urban Geography	3 hrs.	None
GEOG	3330	Geography of North America	3 hrs.	None
GEOG	3340	Geography of Europe	3 hrs.	None
GEOG	3370	Geography of Asia	3 hrs.	None
HIST	2211	World Civilizations I	3 hrs.	None
HIST	2212	World Civilizations II	3 hrs.	None
HIST	2213	World Civilizations III	3 hrs.	None
PHIL	3350	Comparative Religion	3 hrs.	None
POLI	2200	Introduction to Political Science	3 hrs.	None
POLI	2201	Principles of International Relations	3 hrs.	None
POLI	2203	Comparative Government	3 hrs.	None
SOCY	3301	Ethnology	3 hrs.	SOCY 1110 OR SOCY 1111

WRITING INTENSIVE COURSES (WIC)

The Fairmont State University General Studies Curriculum indicates that “Students will be required to complete at least one designated writing intensive course as part of their general studies program or their major field of study. This course will not be in addition to their other courses, but rather a course from those approved as General Studies or majors courses.”

RATIONALE FOR WIC

Writing intensive courses benefit students by:

- 1) improving writing skills as a means of self-expression.
- 2) increasing knowledge and understanding of course content.
- 3) enhancing critical thinking skills
 - Evaluation
 - Analysis
 - Interpretation
 - Inference
 - Explanation
 - Self-regulation

WRITING INTENSIVE COURSES:

ACCT	4410	CASE STUDIES IN ACCOUNTING
ALLH	4401	ALLIED HEALTH PRACTICUM AND SEMINAR
ARCH	4460	DESIGN VI
ART	3374	ART HISTORY FROM PREHISTORY TO 1450
ART	3376	ART HISTORY FROM 1450 TO 1750
ART	3378	ART HISTORY FROM 1750 TO 1950
ART	3380	ART HISTORY SINCE 1950
AVMA	3305	GENERAL AVIATION OPERATIONS
BIOL	3390	MOLECULAR BIOTECHNOLOGY
BISM	2800	CORPORATE COMMUNICATIONS AND TECH
BISM	4000	GLOBAL, ECONOMIC, ETHICAL, AND SOCIAL INFORMATION SYSTEMS
CHEM	3301	PHYSICAL CHEMISTRY
COMM	4495	SEMINAR IN COMMUNICATION ISSUES
COMP	3395	ETHICAL ISSUES IN COMPUTING
CRJU	4410	RESEARCH IN CRIMINAL JUSTICE
CRJU	4425	EVALUATION OF THE CRIMINAL JUSTICE SYSTEM
EDUC	3330	THE READING PROCESS
EDUC	3331	READING IN THE CONTENT AREAS
EDUC	3351	INCLUSIVE CLASSROOM PRACTICES
ELEC	4400	SENIOR ELECTRONICS PROJECT
ENGL	3303	SURVEY OF AMERICAN LITERATURE I
ENGL	3304	SURVEY OF AMERICAN LITERATURE II
ENGL	3313	SURVEY OF BRITISH LITERATURE I
ENGL	3314	SURVEY OF BRITISH LITERATURE II
ENGL	3332	NARRATIVE AND DESCRIPTIVE WRITING
ENGL	3333	WRITING NON-FICTION
ENGL	3344	WRITING POETRY
ENGL	3345	WRITING FICTION
ENGL	3349	ADVANCED TECHNICAL COMMUNICATION
ENGL	3374	SHAKESPEARE
FACS	3315	MANAGEMENT IN THE FAMILY
FACS	3335	PARENTING
FINC	3385	ANALYZING FINANCIAL STATEMENTS
FREN	4411	ADVANCED FRENCH COMP. & CONVERSATION
GRAP	4410	ADVANCED TOPICS IN GRAPHICS
HLTA	2203	CONTEMPORARY AND DRUG BEHAVIOR ISSUES
JOUR	2270	COMMUNICATIONS IN SOCIETY

JOUR	2280	HISTORY OF AMERICAN JOURNALISM
JOUR	3312	THE PUBLICATIONS PROCESS
MATH	3361	ABSTRACT ALGEBRA
MUSI	3313	MUSIC IN WESTERN CIVILIZATION TO 1750
MUSI	3314	MUSIC IN WESTERN CIVILIZATION SINCE 1750
MUSI	4431	METHODS & MAT. IN TEACHING MUSIC, 7-12
NURS	3350	PROFESSIONAL NURSING CONCEPTS
NURS	4440	NURSING PRACTICUM
PHED	3325	INSTRUCTIONAL DESIGN
PHED	3327	SPORT IN SOCIETY
PHED	4201	SPORT FINANCE
PHED	4410	RESEARCH DESIGN SEMINAR
POLI	3340	POLITICAL SCIENCE RESEARCH METHODS
PSYC	3390	FOUNDATIONS OF PSYCHOLOGY
SFTY	3300	INDUSTRIAL HYGIENE/PRACTICES
SOCY	4470	SOCIOLOGICAL THEORY
SPAN	3301	SPANISH COMPOSITION & CONVERSATION I
THEA	3340	THEATRE HISTORY I
THEA	3341	THEATRE HISTORY II
THEA	3350	CHILDREN'S DRAMA
THEA	3375	DEVELOPMENT OF DRAMATIC ART



Courses of Instruction

PR = Prerequisite. These courses must be passed before enrollment in the course in question.

CR = Co-requisite. Must be taken concurrently with the course in question.

S-C&TC = Shared course, coordinated by Community & Technical College.

S-FSU = Shared course, coordinated by University.

ACADEMIC DEVELOPMENT CENTER

ACCS 1110 Online Tutorial Practicum 1 hr.

This course is designed to equip tutors with the necessary skills to effectively communicate with students in an individual and group setting. The course entails an orientation to tutorial procedures and assignments that emphasize specific skills such as tutoring special populations, tutoring study skills, and recognizing diverse response styles. The course is a requirement for all new tutors; instructor permission is required for registration.

ACCOUNTING

ACCT 3301 Intermediate Accounting I 3 hrs.

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. PR: BSBA 2202, BISM 2200, COMM 2202.

ACCT 3302 Intermediate Accounting II..... 3 hrs.

A continuation of ACCT 3301, to include the study of corporate ownership equity and the analysis and interpretation of accounting data. PR: ACCT 3301, MATH 1112, ENGL 1108.

ACCT 3303 Accounting Internship 3 hrs.

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. PR: ACCT 3302

ACCT 3325 Intermediate Accounting III..... 3 hrs.

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. PR: ACCT 3302.

ACCT 3330 Advanced Accounting I..... 3 hrs.

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. PR: ACCT 3302.

ACCT 3331 Advanced Accounting II..... 3 hrs.

A continuation of ACCT 3330; exploration of advanced accounting topics. PR: ACCT 3330.

ACCT 3350 Accounting Information Systems 3 hrs.

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. PR: BSBA 2202.

ACCT 3399 Special Topics in Accounting 1-6 hrs.

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree programs.

ACCT 4404 Cost Accounting 3 hrs.

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. PR: BSBA 2202.

ACCT 4405 Auditing 3 hrs.

A study of the philosophy, environment, and procedures of auditing, and the legal, social and professional responsibilities of the auditor. PR: ACCT 3302, ACCT 3350.

ACCT 4406 Federal Income Tax Accounting: Individual 3 hrs.

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 3 hrs.

Continuation of 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. PR: ACCT 4406.

ACCT 4408 Income Tax Return Preparation 3 hrs.

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. PR: ACCT 4406.

ACCT 4410 Case Studies in Accounting 3 hrs.
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. PR: ENGL 1108, ACCT 3325, ACCT 4405.

ACCT 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ALLIED HEALTH**ALLH 1110 Pharmacology I 1 hr.**

The first course of three is designed to introduce basic concepts of classification, action and implications related to the administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include drugs used for problems with pain control, fluid and electrolytes, maternal-newborn, and the immune, gastrointestinal and reproductive systems. PR: Admission to the ASN program.

ALLH 1199 Special Topics in Allied Health 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's dean. Credits earned will be applicable as free electives in degree and certificate programs. Course is offered as needed.

ALLH 2110 Pharmacology II 1 hr.

The second course of three is designed to introduce the basic concepts of classification, action and implications related to the administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include drugs used for problems with mental health and the nervous, musculoskeletal, respiratory, cardiac and renal systems. PR: Admission to the ASN program.

ALLH 2210 Pharmacology III 1 hr.

The third course of three is designed to introduce the basic concepts of classification, action and implications related to the

administration of medications within the context of the body's organ systems. Content to be emphasized, but not limited to, include the use of medications in critical and complex situations and with children. PR: Admission to the ASN program.

ALLH 3301 Health Care Organizations 3 hrs.

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. Fall Semester .

ALLH 3302 Management Problems of the Health Care Delivery System 3 hrs.

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. PR: ALLH 3301. Spring Semester.

ALLH 3372 Legal and Medical Ethics 3 hrs.

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. Spring Semester only.

ALLH 3399 Special Topics in Allied Health Administration 1-6 hrs.

Studies in special selected topics in health administration and management are determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives. Must be arranged in advance.

ALLH 4401 Allied Health Practicum and Seminar 4 hrs.
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 program's 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. Last semester of program. Spring semester only. PR: ENGL 1108 and have completed an associate degree in a healthcare related field or instructor permission.

ALLH 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ARCHITECTURE**ARCH 1000 Design Fundamentals I 4 hrs.**

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..... 4 hrs.

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. PR: ARCH 1000

ARCH 1199 Special Topics in Architecture..... 1-6 hrs.

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. Repeatable.

ARCH 2000 Design I: Foundation..... 4 hrs.

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. PR: ARCH 1050, CR: ARCH 2060

ARCH 2010 Architectural History I..... 3 hrs.

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..... 3 hrs.

This course is a continuation of architectural history, covering the Renaissance period to the present. The emphasis will be on the historical, social and technological factors behind the structures discussed.

ARCH 2050 Design II: Foundation..... 4 hrs.

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. PR: ARCH 2000

ARCH 2060 Building Technology I..... 4 hrs.

Students will study practices utilized in the erection of residential buildings including architectural materials, methods and use, and structural, mechanical, and electrical systems. CR: ARCH 1000

ARCH 3000 Design III: Site..... 6 hrs.

This course is a continuation of the design sequence, emphasizing synthesizing pragmatic issues of the site, context, and envelope with basic design theory. PR: ARCH 2050, ARCH 2020

ARCH 3050 Design IV: Urban..... 6 hrs.

This course explores architectural design within the urban setting. Topics Include urban design, historic preservation and the social impact of the built environment. PR: ARCH 3000

ARCH 3060 Architecture Portfolio..... 3 hrs

This course explores the methodology of creating professional and academic portfolios for Architecture students.

ARCH 3399 Special Topics in Architecture..... 1-6 hrs.

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. Credits earned will be applicable as free electives in degree and certificate programs. Repeatable.

ARCH 4000 Design V: Technology..... 6 hrs.

This course encompasses integrated design, synthesizing building systems, sustainable principles and a more complete approach to planning and design of commercial buildings. PR: ARCH 3050

ARCH 4030 Mechanical and Electrical Systems..... 4 hrs.

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. CR: ARCH 4050

ARCH 4050 Design VI: Build..... 6 hrs.

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. PR: 4000

ARCH 4060 Building Technology II..... 4 hrs.

This course investigates the building envelope, and select building systems explored through the creation of a set of working drawings for a commercial building. PR: ARCH 2060; CR: ARCH 4000

ARCH 4998 Special Topics in Architecture..... 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ART**ART 1120 S-FSU Art Appreciation..... 3 hrs.**

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.

ART 1140 S-FSU Design I: 2D..... 3 hrs.

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 S-FSU Design II: 3D..... 3 hrs.

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 S-FSU Drawing I: Foundations of Drawing..... 3 hrs.

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..... 1-12 hrs.

Studies in selected areas of specialization, to be determined by the instructor and approved by the School'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..... 3 hrs.

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 S-FSU Drawing II: Drawing from Life .. 3 hrs.

Drawing from the posed model, accompanied by analytical studies of anatomy. PR: ART 1140 and 1142. Spring semester only.

ART 2245 E. Foundations..... 3 hrs.

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. Offered Fall and Spring.

ART 2261 S-FSU Painting I: Foundations of Painting 3hrs.

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. PR ART 1140 and 1142.

ART 2262 Painting II: Intermediate Painting..... 3 hrs.

Painting II continues concepts taught in Painting I, while utilizing the posed model as a subject. Students work to solve the complex expressive and formal problems that are present in painting the human figure. PR ART 2241 and ART 2261. Studio Art, Art Education or CFAT majors only. Spring semester only.

ART 2283 S-FSU Sculpture I: Foundations of Sculpture 3 hrs.

This introductory course in sculpture explores materials, tools, techniques and design principles related to the creation of three dimensional objects. PR ART 1141.

ART 2284 Sculpture II..... 3 hrs.

Advanced work in various sculptural media: metal casting, carving, constructions, etc. PR: ART 2283.

ART 3341 Printmaking I..... 3 hrs.

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. PR ART 1140 and 1142. Spring semester only.

ART 3342 Printmaking II..... 3 hrs.

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. PR: ART 3341.

ART 3345 E. Intermediate..... 3 hrs.

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. PR: ART 2245.

ART 3350 Elementary Art Education 3 hrs.

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.

PR: Admittance into the School of Education.

ART 3360 Early and Middle Methods and Materials 4 hrs.

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.

Art Majors only.

ART 3361 Painting III: Intermediate Landscape Painting 3 hrs.

Students explore the traditions of landscape painting as well as contemporary issues and forms related to land. Students may work in oil or acrylic for this intermediate level course. PR 2261, 2262. Spring semester only.

ART 3362 Painting IV: Intermediate Figure Painting 3 hrs.

Students explore the traditions of figure painting as well as contemporary issues and forms related to the body. Students may work in oil or acrylic for this intermediate level course. PR 2262. Spring semester only.

ART 3363 Intermediate Water Media I..... 3 hrs.

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. PR 1141, 2241 Fall semester only.

ART 3364 Advanced Water Media II 3 hrs.

Students experiment with technical processes of acrylics and other water media as they develop a series of works that are researched and developed individually. PR 3363 Fall semester only.

ART 3374 Art History from Prehistory to 1450..... 3 hrs.

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. Offered once every year. PR: ENGL 1108.

ART 3376 Art History from 1450 to 1750..... 3 hrs.

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. Offered once every year. PR: ENGL 1108.

ART 3378 Art History from 1750 to 1950..... 3 hrs.

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. Offered once every year. PR: ENGL 1108.

ART 3380 Art History since 1950 3 hrs.

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. Offered once every year. PR: ENGL 1108.

ART 3383 Pottery I 2-3 hrs.

Introduction to basic ceramic techniques such as hand construction, the potter's wheel, and glazing.

ART 3384 Pottery II 2-3 hrs.

Advanced work in ceramics, glaze theory, and kiln firing. PR: ART 3383.

ART 4431 Methods and Materials in Teaching Art ... 3 hrs.

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. PR: ART 3360. PPST (passing score)

ART 4445 E. Advanced 3 hrs.

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. PR: ART 3345.

ART 4461 Painting V: Advanced Landscape Painting 3 hrs.

Development of individual creative expression in oil or acrylic, working with the landscape. PR: ART 3361. Studio Art, Art Education or CFAT majors only.

ART 4462 Painting VI: Advanced Figure Painting 3 hrs.

Development of individual creative expression in oil or acrylic while working with the live figure. PR: ART 3362. Studio Art, Art Education or CFAT majors only.

ART 4463 Advanced Painting Concepts 3 hrs.

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. PR: ART 2262. Instructor approval required. Studio Art, Art Education, and CFAT majors only.

ART 4464 Pottery III 3 hrs.

The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits. PR: ART 3384.

ART 4465 Sculpture III 3 hrs.

The student is permitted to select the medium and then explore all the technical and creative possibilities that it permits. PR: ART 2284.

ART 4467 Area Studies I 3 hrs.

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. PR: Completion of at least one 3000 level course in the medium that the student selects. Instructor approval required. Studio Art, Art Education, and CFAT majors only.

ART 4468 Area Studies II 3 hrs.

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. PR: Completion of at least one 3000 level course in the medium that the student selects. Instructor approval required. Studio Art, Art Education, and CFAT majors only.

ART 4469 Area Studies III 3 hrs.

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. PR: Completion of 3000 level courses in the medium that the student selects. May be taken twice for credit. Instructor approval required. Studio Art, Art Education, and CFAT majors only. PR: ART 4467 or ART 4468.

ART 4471 Capstone Experience in Art 3 hrs.

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. Studio Art and Art Education majors only. Instructor approval required.

ART 4472 Virtual Exhibition 3 hrs.

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. CFAT and Cross-Media Studio Art majors only. Instructor approval required.

ART 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Art and Studio Art Majors only. Instructor approval required.

AVIATION

AVMT 1101 Introduction to Aviation Maintenance 3 hrs.

A study of the fundamentals of Aviation Maintenance. Topics include: aircraft familiarization, nomenclature, materials, hardware used on aircraft, theory of flight, and basic physics. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 1102 Aircraft Regulations & Publications 3 hrs.

A study of federal aviation regulations, maintenance publications, weight and balance, technical drawings, charts and graphs. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 1103 Aviation Shop Practices 3 hrs.

A study of the use of basic hand tools and power equipment, shop safety, aircraft fluid lines and fittings, aircraft cleaning and corrosion control. The use and care of precision measuring equipment and the use and interpretation of various non-destructive inspection methods. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 1105 Aircraft Utility Systems 3 hrs.

This course covers the areas of airframe ice and rain control systems, fire protection systems, (airframe and engine), and fuel systems (airframe and engine). Also included are transport aircraft systems including doors, lavatory systems, galley systems, passenger service units, windows, emergency equipment, and cargo loading systems. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 1109 Aviation Electronics 3 hrs.

This course examines the fundamental principles of electronics as applied to aircraft electrical systems. Specific topics covered include AC/DC, series-parallel circuits, circuit analysis theorems, transistors, digital theory and devices. Meets FAR 147 requirements. CR: AVMT 1101, AVMT 1103. Must have a "C" grade or better to pass.

AVMT 1199 Special Topics in Aviation 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

AVMT 2201 Reciprocating Engines and System 3 hrs.

This course is a study of the theory of operation of reciprocating engines and their systems. The course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1101, 1102. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2202 Aircraft Sheet Metal Structures 3 hrs.

This course covers all aspects of sheet metal structures and aircraft welding. A strong emphasis is placed on acquiring hands-

on skills. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2203 Reciprocating Engine Maintenance and Return to Service 5 hrs.

This course emphasizes the hands-on maintenance and overhaul of piston engines. Topics include engine removal, replacement, troubleshooting, inspection, engine maintenance and overhaul, system component repair, inspection, and troubleshooting. PR: AVMT 1101, 2201. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2204 Aircraft Propeller and Control Systems..... 3 hrs.

A detailed study of propellers, their components, operation and maintenance. PR: AVMT 1101, 2201. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2205 Turbine Engines and Systems 3 hrs.

A study of the theory of operation of turbine engines and their systems. This course emphasizes the principles of operation, nomenclature, construction and system design. PR: AVMT 1102, 1103. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2206 Aircraft Fluid Power and Landing Gear Systems..... 3 hrs.

A detailed study of aircraft hydraulic, pneumatic and landing gear systems. This includes a study of wheels, tires and brakes found in aircraft landing gear systems. The course will cover many aircraft systems from small general aviation aircraft up to and including transport category aircraft. PR: AVMT 1103 or Instructor Approval. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2207 Turbine Engine Maintenance and Inspection 3 hrs.

This course emphasizes the hands-on maintenance, overhaul, repair, troubleshooting, and inspection of turbine engines and their systems. PR: AVMT 1103, 2205. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2208 Cabin Atmosphere Control Systems..... 3 hrs.

This course is a detailed study of aircraft heating, oxygen, air conditioning, and pressurization systems. Large airliner systems will be covered. PR: AVMT 1103, 1109. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2209 Airframe Inspection and Flight Control Systems 3 hrs.

A detailed study of aircraft control surfaces, including operation, assembly and rigging. Airframe inspection procedures are also covered. PR: AVMT 1105, 1109. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2210 Non Metallic Structures 3 hrs.

A study of wood, fabric, composite and plastic aircraft structures; also covered is the finishing of these structures. PR: AVMT 1101, 1103. Meets FAR 147 requirements. Must have a "C" grade or better to pass.

AVMT 2211 Aircraft Avionics and Information Systems 3 hrs.

This course will provide an overview of the communications, navigation, and instrument systems of the aircraft and power plant. Course outcomes will equip aviation maintenance technicians with the necessary knowledge, skills and work practices to positively impact their knowledge in advanced avionics and information systems. PR: AVMT 1109. Must have a "C" grade or better to pass.

AVMT 2215 FAA Certification Review 3 hrs.

The FAA Certification Review is an optional course for students offering a compilation and review of the areas of knowledge required for successful completion of the Federal Aviation Administration (FAA) written, oral, and practical examinations which culminate in the issuance of an FAA Airframe certification, Powerplant certification or a combined Airframe and Powerplant certification.

The course is designed to accommodate students who have completed FAA approved formal classroom training requirements or have been approved by the FAA based on practical industry or military experience. Instructor approval required.

AVMT 2299 Special Topics..... 1-12 hrs.

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 school's dean.

AVIATION ADMINISTRATION

AVMA 1100 Aircraft Flight Theory..... 3 hrs.

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 3 hrs.

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.

AVMA 1102 Introduction to Air Traffic Control..... 3 hrs.

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.

AVMA 1103 Private Pilot Technology Lab 3 hrs.

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.

AVMA 1109 Air Rescue Fire Fighting 3 hrs.

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. PR: Major in Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 1189 Guided Experience I VAR 1-4 hrs.

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 other project agreed upon between the student and the supervising faculty and is submitted to the director in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

AVMA 1199 Special Topics..... 1-12 hrs.

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 3 hrs.

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.

AVMA 2204 Instrument Pilot Technology Lab. 3 hrs.

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. PR: Private Pilot certification. Must have a "C" grade or better to pass.

AVMA 2206 Aviation Security 3 hrs.

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. PR: Major in Homeland Security or Pre-Homeland Security. Must have a "C" grade or better to pass. Aviation or Homeland Security majors only.

AVMA 2207 Aviation Safety 3 hrs.

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. The course is also listed as AVMA 3307 for Baccalaureate majors.

AVMA 2210 Aviation Meteorology..... 3 hrs.

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..... 3 hrs.

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..... 3 hrs.

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 . 3 hrs.

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 3 hrs.

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. Aviation or Homeland Security majors only.

AVMA 2230 Certified Flight Instructor 3 hrs.

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 Lab 3 hrs.

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.

AVMA 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the director in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

AVMA 2299 Special Topics..... 1-12 hrs.

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 3 hrs.

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. PR: Private Pilot and Instrument Pilot certifications or Instructor approval required.

AVMA 3301 Aviation History..... 3 hrs.

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.

AVMA 3302 Aviation Law..... 3 hrs.

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.

Course also listed as AVMA 2202 for Homeland Security Aviation Track Majors.

AVMA 3303 Airline Operations..... 3 hrs.

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. Course also listed as AVMA 2203 for Homeland Security Aviation Track Majors.

AVMA 3304 Aviation Maintenance Management..... 3 hrs.

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.

AVMA 3305 General Aviation Operations..... 3 hrs.*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. The course is also listed as AVMA 2205 for Homeland Security Aviation Track Majors. PR: ENGL 1108 or ENGL 1109.

AVMA 3306 Commercial Pilot Technology Lab. 3 hrs.

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. PR: Private Pilot and Instrument Pilot certifications or Instructor approval required.

AVMA 3307 Aviation Safety..... 3 hrs.

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. Baccalaureate majors only. The course is also listed as AVMA 2207 for Homeland Security Aviation Track Majors.

AVMA 3399 Special Topics..... 1-12 hrs.

A study of special topics of educational, technical or industrial concern. PR: Instructor approval required.

AVMA 4401 Aviation Industry Research and Analysis .. 3 hrs.

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. PR: Instructor approval required.

AVMA 4402 Fiscal Aspects of Aviation Management... 3 hrs.

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.

AVMA 4403 Aviation Project..... 1-4 hrs.

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 3 hrs.

An in-depth study of the inspection and repair of aircraft composite structures. Baccalaureate majors only.

AVMA 4405 Advanced Non-Destructive Testing 3 hrs.

A detailed study of non-destructive testing methods used on aircraft. This course prepares the student for ASNT Level I certification. Baccalaureate majors only.

AVMA 4411 Aviation Industry Internship..... 3 hrs.

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. Junior or Senior Level attainment. Instructor approval required.

AVMA 4499 Special Topics..... 1-12 hrs.

A study of special topics of educational, technical or industrial concern. Instructor approval required.

AVMA 4998 Undergraduate Research..... 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

BIOLOGY

BIOL 1104 Biosphere..... 4 hrs.

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. 4 hours of lecture/ discussion/activities per week. PR: Elementary Education majors only.

BIOL 1105 S-FSU Biological Principles I 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or SCIE 1100 with a C or better or BIOL 1106 with a C or better. Fall semester only.

BIOL 1106 S-FSU Biological Principles II 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: A score of 21 or better on the ACT Science Reasoning section or SCIE 1100 with a C or better or BIOL 1105 with a C or better. Spring semester only.

BIOL 1199 Special Topics in Biology 1-4 hrs.

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 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Spring semester only.

BIOL 2203 General Zoology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 1105 and 1106 with a C or better. Fall semester only.

BIOL 2205 S-FSU Technical Microbiology 4 hrs.

Designed for the Allied Health Programs, 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; resistance and immunity; techniques of isolation; handling, culturing, identifying bacteria and the inhibition of bacteria. Safety, cleanliness, and responsibility are taught in the laboratory. 3 hours of lecture and one two-hour lab per week. This course is designed for the Allied Health Program Majors, Nursing, Vet Tech and Pre-Pharmacy. BIOL 2224 will not substitute for BIOL 2205 or vice versa. Spring semester only.

BIOL 2224 Microbiology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory session per week. PR: BIOL 1105 and 1106 with a "C" or better, and CHEM 1105. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3306 Fundamentals of Ecology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203, with a C or better, and CHEM 2200. Fall semester only.

BIOL 3312 Advanced Botany I 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. Lab activities include several off-campus field trips and each student will be required to complete a plant collection project for the FWVA Herbarium. PR: BIOL 2202 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3315 Invertebrate Zoology 4 hrs.

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. The course has 3 hours of lecture and 1 three hour lab per week. PR: BIOL 2202 and 2203 with a C or better, and CHEM 2200. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3316 Vertebrate Zoology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2203 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3330 Aquatic Ecology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3331 Terrestrial Ecology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 3306 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3360 Biochemistry 4 hrs.

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. 3 hours lecture and one 3-hour laboratory per week. PR: CHEM 2201, MATH 1185 or 1190. Spring semester only.

BIOL 3368 Animal Physiology 4 hrs.

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. 3 hours of lecture and one 3-hour lab per week. PR: BIOL 2203 with a C or better, CHEM 2200. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3370 Plant Physiology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 with a C or better, and CHEM 2200. Offered on rotation. See Biology program website for rotation schedule.

BIOL 3380 Genetics 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory session per week. PR: CHEM 2200, BIOL 1105 and 1106. Fall semester only.

BIOL 3390 Molecular Biotechnology..... 4 hrs.
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. 3 hours of lecture and one 3-hour laboratory per week. PR: ENGL 1108, BIOL 3380, CHEM 2201, and either MATH 1185 or MATH 1190. Spring semester only.

BIOL 4420 Developmental Biology 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: BIOL 2202 and 2203 with a C or better. Offered on rotation. See Biology program website for rotation schedule.

BIOL 4485 Senior Seminar 2 hrs.

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. Two hours of class meeting per week. PR: Senior standing. Spring semester only.

BIOL 4495 Problems in Biological Sciences..... 2 hrs.

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. PR: 20 hours of biological courses and Instructor approval required.

BIOL 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

(BUSINESS) INFORMATION SYSTEMS MANAGEMENT

BIISM 1200 Introduction to Computing 3 hrs.

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.

BIISM 2200 Business Information Tools 3 hrs.

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" scenarios, sensitivity analysis, statistical analysis, and graphic displays. Microsoft Access will be utilized to design, create, implement, and query databases. PR: BIISM 1200, and Math ACT score of 19 or MATH 1100 or instructor permission

**BIISM 2400 Operating Systems Concepts Across the
Enterprise..... 3 hrs.**

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. PR: BISM 1200

**BIISM 2600 Introduction to Networking
Administration 3 hrs.**

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. PR: BISM 2400

**BIISM 2800 Corporate Communications and
Technology 3 hrs.***Writing Intensive*

This course will focus on applying technology to support technical writing, oral presentations and online communications. This includes conducting research using the online library resources, developing reports using advanced word processing report features, integrating spreadsheet and database applications within the word processing document to automate data updates, using online document sharing applications for concurrent reviews and configuration management, and preparing and giving formal presentations. In addition, the course will introduce teamwork concepts and online networking in the context of business communications. PR: BISM 1200 and ENGL 1108

BIISM 3000 Business Programming Logic..... 3 hrs.

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. PR: BISM 2200 and BISM 2800

BIISM 3200 Management Information Systems..... 3 hrs.

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. PR: BISM 2200

BIISM 3400 Database Design and Development..... 3 hrs.

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 working database management systems. PR: BISM 2200 and BISM 2800

**BIISM 3600 E-commerce and Web
Development Strategy 3 hrs.**

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 models and their application in a variety of sectors and industries. 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. PR: BISM 3000, BISM 3200, BISM 3400

BISM 3800 Object-oriented Business Applications 3 hrs.

This course introduces multiter 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. PR: BISM 3000, BISM 3400

BISM 4000 Global, Economic, Ethical, and Social Information Systems 3 hrs.*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. PR: BISM 2800, BISM 3200

BISM 4200 Systems Analysis and Design 3 hrs.

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. PR: BISM 2600, BISM 3600, BISM 3800

BISM 4300 Business Intelligence 3 hrs.

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. PR: Instructor Approval

BISM 4400 Current Topics in Information Systems 3 hrs.

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. PR: BISM 3200

BISM 4800 Information Systems Project Management 3 hrs.

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. PR: BISM 4200

BISM 4900 Internship in Information Systems 3 hrs.

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. PR: Instructor Approval

BISM 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

BUSINESS ADMINISTRATION

(For graduate courses in Business Administration, please refer to Master of Business Administration)

BSBA 1199 S-FSU Special Topics in Business..... 1 - 6 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

BSBA 2200 S-FSU Economics 3 hrs.

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.

BSBA 2201 S-FSU Principles of Accounting I..... 3 hrs.

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 S-FSU Principles of Accounting II..... 3 hrs.

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. PR: BSBA 2201.

BSBA 2204 S-FSU Principles of Marketing 3 hrs.

A study of those business activities that direct the flow of goods and services from producers to consumers.

BSBA 2209 S-FSU Principles of Management 3 hrs.

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 S-FSU Principles of Economics I..... 3 hrs.

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.

BSBA 2212 S-FSU Economic Principles and Problems II 3 hrs.

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. PR: BSBA 2211

BSBA 2299 Special Topics..... 1-6 hrs.

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 school's dean.

BSBA 3300 Entrepreneurship 3 hrs.

An applied course designed to simulate the experiences that entrepreneurs undergo in conceiving, evaluating, launching and operating a new business venture. The course allows students to examine potential entrepreneurial careers for themselves. The major project involves preparing and presenting a business plan for a potential new venture. PR: MGMT 3350.

BSBA 3306 Business Law I 3 hrs.

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 3 hrs.

Continuation of BUSN 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. PR: BSBA 3306.

BSBA 3310 Business and Economic Statistics 3 hrs.

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. PR: MATH 1112.

BSBA 3319 Employment Law 3 hrs.

This course explores the relationship between employer and employee. It covers a mixture of contract, tort, criminal and administrative law. Study will include the statutory and common law rules governing the establishment and termination of the employment relationship and regulating the conditions of employment. The course is designed to develop understanding of the major areas of modern employment law so that students can apply the principles as an employer or an employee. PR: BSBA 3306.

BSBA 3320 International Business 3 hrs.

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. PR: BSBA 2209, BSBA 2204, BSBA 2211.

BSBA 3322 Managing Business in Europe 3 hrs.

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.

BSBA 3325 Women and Work 3 hrs.

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. PR: ENGL 1108 and COMM 2202 or COMM 2200.

BSBA 3399 Special Topics in Business 1-6 hrs.

Advanced studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned

will be applicable as free electives in degree programs. PR: Instructor approval required.

BSBA 4405 Entrepreneurial Leadership 3 hrs.

The latest concepts and applications in entrepreneurial leadership will be the focus of this course. Its content will therefore vary each semester to provide the student with exposure to the most recent developments in this area. Critical leadership, ethical and information-age challenges are examined to facilitate successful entrepreneurial endeavors. Students are involved in a variety of activities emphasizing integration of entrepreneurial topics in work and life. Discussion, role play, case study analysis, and small group learning will be used. PR: BSBA 3300 or Instructor approval required.

BSBA 4408 Business and Economics Field Studies 3 hrs.

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. PR: Instructor approval required, with approval of the School Dean.

BSBA 4410 Enterprise Development 3 hrs.

This is a capstone course whereby students continue to develop and refine their business plan or begin actual operation of their business venture. Students are expected to participate in the daily operation of their enterprise and report to the faculty facilitator on a regular basis. This course is offered on a credit/no credit basis. PR: BSBA 3300.

BSBA 4415 Strategic Management and Policy 3 hrs.

This course allows the student to integrate the concepts and principles offered in the various disciplines of study within the School of Business. 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. PR: BSBA 2202, BSBA 2221 and senior standing.

BSBA 4420 Business Ethics and Corporate Accountability 3 hrs.

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. PR: BSBA 3320, BISM 3200.

BSBA 4440 Hospitality Management Internship 3 hrs.

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. PR: Instructor approval required, with approval of School Dean. Graded Credit/No Credit.

BSBA 4450 Business Internship 3-6 hrs.

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. PR: Instructor approval required, with approval of School Dean. Graded Credit/No Credit.

BSBA 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

CHEMISTRY

CHEM 1101 S-FSU General Chemistry 4 hrs.

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. 3 lectures and one 3-hour laboratory per week. PR: ACT math score of 19; or SAT Math score of 460 or Compass score of 36.

CHEM 1102 S-FSU General Chemistry II..... 4 hrs.

This course is an extension of CHEM 1101. It covers 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. The course consists of 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1101. Spring semester only.

CHEM 1105 S-FSU Chemical Principles I 5 hrs.

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., pre-medical, pre-dental, pre-pharmacy, etc.). 4 hours of lecture and one 3-hour laboratory per week. PR: ACT math score of 20; SAT Math 480, Compass score of 42 or CHEM 1101 with a grade of C or better. Fall semester only.

CHEM 1199 Special Topics in Chemistry 1-12 hrs.

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 4 hrs.

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.). 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1105. Spring only.

CHEM 2201 Organic Chemistry I..... 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 2200. Fall semester only.

CHEM 2202 Organic Chemistry II..... 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 2201. Spring Semester only.

CHEM 2205 Analytical Chemistry 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 1105. Spring semester only.

CHEM 3301 Physical Chemistry I..... 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 2200, ENGL 1108, MATH 1185 or 1190, PHYS 1101 or 1105. Fall semester only.

CHEM 3304 Inorganic Chemistry 4 hrs

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 2200. Fall semester only.

CHEM 3315 Instrumental Analysis..... 4 hrs.

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. The course consists of two hours of lecture and one four-hour laboratory per week. PR: CHEM 2200, 2205, PHYS 1102 or 1106. Fall semester only.

CHEM 4401 Independent Study..... 1-3 hrs.

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. PR: Instructor approval required.

CHEM 4402 Internship..... 1-3 hrs.

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. PR: Instructor approval required.

CHEM 4403 Independent Research 1-3 hrs.

Independent research under the direction of a faculty member. Course is repeatable up to three times. At least two hours in the laboratory are expected for every credit. A paper describing the research is required. PR: Instructor approval required.

CHEM 4404 Synthetic Methods and Materials 4 hrs.

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. 2 hours of lecture and one 4-hour laboratory per week. PR: CHEM 2202, CHEM 3304. Fall semester only, even years.

CHEM 4412 Physical Chemistry II..... 4 hrs.

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. 3 hours of lecture and one 3-hour laboratory per week. PR: CHEM 3301, MATH 1186 or 3315, PHYS 1102 or 1106. Spring semester, even years only.

CHEM 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

CIVIL ENGINEERING TECHNOLOGY

CIVL 1100 Introduction to Civil Engineering Technology 1 hr.

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. PR: None. CR: CIVL 2210.

CIVL 1199 Special Topics in Civil Engineering Technology 1-12 hrs.

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..... 3 hrs.

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. CR: MATH 1101.

CIVL 2210 Light Construction..... 4 hrs.

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 4 hrs.

Identification, properties and standard test methods for steel, concrete, timber, masonry products, bituminous products, soils and aggregate. Heavy construction methods are also discussed. PR: CIVL 2210, MATH 1101.

CIVL 2230 Construction Estimating 3 hrs.

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. PR: CIVL 2220.

CIVL 2240 Construction, Land and Route Surveying . 3 hrs.

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. PR: CIVL 2200.

CIVL 2275 Civil Engineering Graphics..... 3 hrs.

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. PR: DRFT 2200.

CIVL 2280 Environmental Engineering Technology I 3 hrs.

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. PR: CHEM 1101. CR: TECH 2290 or MATH 1185, or MATH 1190.

CIVL 2290 Introduction to Structures 3 hrs.

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. PR: MECH 2200.

CIVL 3305 Hydraulics and Hydrology..... 3 hrs.

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. PR: TECH 2290 or MATH Equivalent, and CIVL 2280.

CIVL 3340 Introduction to Soil Mechanics..... 4 hrs.

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. PR: MECH 2200.

CIVL 4400 Highway Design and Transportation 4 hrs.

Writing Intensive Course

This course addresses basic transportation theory and design, traffic flow, capacity analysis, level of service, flexible and rigid pavement design, and geometric design. A Writing Intensive capstone experience is included in this course, aligned with the general transportation planning model, which includes industry collaboration. PR: CIVL 3340, ENGL 1108, TECH 2290 or MATH Equivalent. Baccalaureate majors only.

CIVL 4410 Advanced Structural Analysis 3 hrs.

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. PR: CIVL 2290, TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4420 Construction Planning and Administration 3 hrs.

Introduction to construction management. Topics include construction planning and scheduling, economics, contracts, administration, health and safety, productivity and performance. PR: CIVL 2230.

CIVL 4440 Structural Design..... 3 hrs.

A continuation of CIVL 2290, with more in-depth design of reinforced concrete and steel structures. PR: CIVL 2290.

CIVL 4450 Structures..... 3 hrs.

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. PR: CIVL 2220, MECH 2200.

CIVL 4460 Environmental Engineering Technology II 3 hrs.

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. PR: CIVL 2280 and TECH 3300 or MATH 1186 or MATH 3315. Baccalaureate majors only.

CIVL 4470 Advanced Soil Mechanics and Foundation Design..... 3 hrs.

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. PR: CIVL 3340. Baccalaureate majors only.

CIVL 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

COMMUNICATION

COMM 1105 Voice & Diction 3 hrs.

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. Open to communication and theatre arts and music students only. Fall semester only.

COMM 1199 Special Topics in Communication 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit allowed is 3 hours per semester, up to 12 hours total.

COMM 2200 Introduction to Human Communication 3 hrs.

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. PR: Completion of ENG 1104 with a "C" or better grade or a Verbal ACT score of 21 or higher. Satisfies General Studies category ID, IG, and IV requirement.

COMM 2201 Introduction to Group Discussion 3 hrs.

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. PR: Completion of ENGL 1104 with a "C" or better grade or a Verbal ACT score of 21 or higher.

Satisfies General Studies category ID, IG, and IV requirement.

COMM 2202 Introduction to Communication in the World of Work 3 hrs.

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. PR: Completion of ENGL 1104 with a "C" or better grade or a Verbal ACT score of 21 or higher. Satisfies General Studies category IG and IV requirement.

COMM 2213 Introduction to Communication Theory and Research Practices 3hrs.

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. PR: ENGL 1108.

COMM 2219 Language in Communication 3 hrs.

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. PR: COMM 2200, 2201, or 2202. Spring semester only.

COMM 2235 Interpersonal Communication 3 hrs.

A study of communication in dyadic settings, with an emphasis on increasing understanding of the theories, concepts and principles related to human interaction. Focus is on improving skills in interpersonal communication. PR: COMM 2200, 2201, or 2202. Fall semester only.

COMM 2241 Argumentation & Debate 3 hrs.

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. PR: COMM 2200, 2201, or 2202. Fall semester only.

COMM 2249 Intercollegiate Debate I-IV 1-4 hrs.

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. Open to freshmen and sophomores. (Juniors and seniors, see COMM 4449.) PR: COMM 2241.

COMM 2250 Sophomore Seminar 1 hrs.

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. Open to communication arts majors and minors only.

COMM 3300 Intercultural Communication 3 hrs.

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. PR: COMM 2200, 2201, or 2202.

COMM 3320 The Art of Storytelling in Theory and Practice 3 hrs.

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. Also listed as FOLK 3320 and THEA 3320. Fall semester, odd-numbered years.

COMM 3337 Persuasive Communication..... 3 hrs.

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. PR: COMM 2241. Fall semester only.

COMM 3345 Oratory 3 hrs.

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. PR: COMM 3337. Spring semester only.

COMM 4420 Contemporary Storytelling..... 3 hrs.

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. PR: COMM 2241 and BISM 2800.

COMM 4431 Methods and Materials in Teaching Communication and Theatre..... 3 hrs.

This course covers the philosophy, methods, and materials of teaching forensic communication and theatre, as well as directing the forensic and theatre co-curricular and extra-curricular activities in the secondary schools. Fulfills Professional Block requirement for those with a single teaching field in Oral Communication or Theatre Education. Fall semester only.

COMM 4439 Public Speaking Practicum I-VIII 1-8 hrs.

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. PR: COMM 2241.

COMM 4449 Intercollegiate Debate I-IV 1-4 hrs.

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. Open to juniors and seniors. (Freshmen and sophomores, see COMM 2249.) PR: COMM 2241.

COMM 4491 Directed Study in Communication 1-3 hrs.

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 School's Dean. Maximum credit allowed is 3 hours per semester, up to 12 hours total. PR: Instructor approval.

COMM 4496 Communication in Practice : Internship.... 3 hrs.

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. PR: Open to communication arts majors only.

COMM 4998 Undergraduate Research 0-6 hrs.

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 hours per semester, up to 9 hours total. PR: Sophomore standing and above, instructor approval.

COMPUTER SCIENCE

COMP 1100 Introduction to Computing 3 hrs.

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 1101 Applied Technical Programming 3 hrs.

This course provides familiarity with hardware and software concepts and an introduction to the Visual BASIC programming language. Several short programming projects are assigned to provide the students with experience in program development. This course may not be substituted for either COMP 1100 or 1102. PR: MATH 1101.

COMP 1102 Principles of Programming I 3 hrs.

A study of the foundations of computer programming. Students are introduced to computer organization, data representation, the software development cycle, and programming concepts including data types, input/output, control structures, functions, and text file processing. Programming projects in C++ are assigned to provide students with experience in program development. PR: MATH ACT score of 21 or MATH SAT score of 500 or Compass score of 49 or MATH 1100.

COMP 1108 Principles of Programming II 3 hrs.

This course is a continuation of COMP 1102 and covers arrays, searching/sorting, pointers, classes, recursion, and advanced file I/O. The concept of object oriented programming is introduced. Projects in C++ are assigned to provide students with experience implementing multi-part applications using these concepts. PR: COMP 1102.

COMP 1199 Special Topics in Computer Science..... 1-12 hrs.

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 3 hrs.

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. PR: COMP 1108.

COMP 2201 Machine Organization 3 hrs.

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. PR: COMP 1108.

COMP 2220 Fundamentals of Computer Security 3 hrs.

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. The course consists of three hours of lecture per week. PR: COMP 1100 or 1102 or BISM 1200

COMP 2230 Network Programming 3 hrs.

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. PR: COMP 2200.

COMP 2270 Data Structures..... 3 hrs.

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. PR: COMP 1108.

COMP 3300 Computer Graphics 3 hrs.

This course provides an introduction to interactive graphics programming. Topics include algorithms for generating graphics output primitives, two- and three-dimensional geometric transformations, drawing windframe and solid objects in a three-dimensional scene, line and polygon clipping, and basic animation techniques. PR: COMP 2270 and MATH 1190.

COMP 3310 Artificial Intelligence..... 3 hrs.

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. PR: COMP 2270 and MATH 2200.

COMP 3330 Analysis of Algorithms..... 3 hrs.

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. PR: COMP 2270 and MATH 2216.

COMP 3340 Operating Systems 3 hrs.

This is an introduction to historical and current operating systems' 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. PR: COMP 2201 and COMP 2270.

COMP 3380 Cryptography in Computer Security 4 hrs.

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. The course consists of four hours of lecture per week. PR: COMP 2270 and MATH 2216.

COMP 3390 Network Security Technology..... 4 hrs.

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. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3340, and INFO 2250.

COMP 3395 Ethical Issues in Computing..... 3 hrs.*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. PR: COMP 1100 and ENGL 1108.

COMP 4400 Automata and Language Design 3 hrs.

This course covers the theoretical foundations of computer science and the abstractions of computational processes in programming languages. Topics include formal languages, grammars, automata, Turing machines, programming language paradigms, data types, expressions, control structures, binding strategies, run-time environments, compilers, and interpreters. PR: COMP 2270 and MATH 2216.

COMP 4410 Database Management 3 hrs.

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. PR: COMP 2270.

COMP 4415 Vulnerability Assessment 4 hrs.

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. The course consists of three hours of lecture and two hours of lab per week. PR: COMP 3390.

COMP 4420 Selected Advanced Topics..... 3 hrs.

This course will address current topics of interest in computer science, to be determined by the instructor and approved by the department chair. PR: COMP 3330.

COMP 4421 Computer Science Special Project 3 hrs.

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. PR: Instructor approval required.

COMP 4440 Software Engineering..... 4 hrs.

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. PR: COMP 2200 and COMP 2270.

COMP 4495 Computer Security Internship..... 3 hrs.

This course allows students to obtain real-world computer security work experience through an internship with either a government agency or local high technology company. PR: COMP 3395 and COMP 3390.

COMP 4998 Undergraduate Research..... 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

CRIMINAL JUSTICE**CRIM 1100 Introduction to Criminal Justice..... 3 hrs.**

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 3 hrs.

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 1199 Special Topics in Criminal Justice 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. PR: CRIM 1100.

CRIM 2202 Principles of Criminal Law 3 hrs.

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 2203 Computer Crime: Legal Issues and Investigation Procedures 3 hrs.

This course provides an overview of computer crime and procedures which forensic computing specialists, law enforcement investigators and prosecutors must invoke to successfully prosecute computer criminals.

CRIM 2205 Natural Resources Laws 3 hrs.

This course involves a study of the state Natural Resources Laws dealing with the objectives of the Department of Natural Resources, the meaning of these various laws and regulations and the authority granted officers in their enforcement. PR: CRIM 1100.

CRIM 2206 Introduction to Corrections 3 hrs.

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 3 hrs.

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. PR: CRIM 1100.

CRIM 2212 Deviant Behavior 3 hrs.

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 2215 Introduction to Private Security 3 hrs.

This course will analyze the evolution, philosophy, responsibilities and functions of the private security industry. It will include risk management, occupational safety and health, public relations and loss prevention measures. The student will examine similarities and differences between private security and public policing. PR: CRIM 1100.

CRIM 2218 Police Administration 3 hrs.

A survey of public police administration, this course covers political influences and controls, principles of leadership, interpersonal and organizational communication, human resource management, labor relations, information systems and applications, planning and decision making, financial management, measurement of productivity and organizational change. PR: CRIM 1101.

CRIM 2220 Juvenile Justice Process 3 hrs.

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 2226 Crime Scene Investigation 3 hrs.

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. PR: CRIM 1100.

CRIM 2236 Criminal Investigation 3 hrs.

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. PR: CRIM 1100.

CRIM 2240 Adjudication Process 3 hrs.

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. PR: CRIM 1100.

CRIM 2246 Criminal Evidence 3 hrs.

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. PR: CRIM 1100.

CRIM 2250 Cybercrime 3 hrs.

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 2255 Law of Corrections 3 hrs.

This course is designed to introduce the student to the concepts of law related to the rights of the accused and convicted in the corrections environment, both pre-conviction and post-conviction. Topics include the constitutional rights of pretrial detainees and prisoners, remedies available for the violation of such rights, potential liability (civil and criminal) of corrections officials for violation of such rights and some practical applications of such principles. The course will utilize the case study method in combination with lectures and readings to achieve the stated goals. PR: CRIM 2206.

CRIM 2256 Homicide Investigation 3 hrs.

This course will examine all aspects of performing a thorough and methodical death investigation. The course will address the initial arrival, securing the scene, forensic evidence, follow-up, causes and motives. Suicides, accidental deaths, natural causes, homicide, serial and mass murder will also be examined. Students will learn about the importance of latent prints, blood spatters, rigor mortis, livor mortis, entomology, bite marks, interrogations and current software to aid in an investigation. PR: CRIM 2236.

CRIM 2266 Sex Crimes 3 hrs.

This course will examine all aspects of performing a thorough sex crime investigation. The course will also examine sexual behavior, theories of sexual deviance, nuisance sex behavior, incest, pedophilia and dangerous sex practices. The student will be further exposed to investigative issue such as: bite marks, latent prints, interrogation, and profiling. PR: CRIM 1100, CRIM 2236.

CRIM 2295 Ethics in Criminal Justice 3 hrs.

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 3300 Criminalistics..... 3 hrs.

Students will study the scientific approach to collecting and analyzing physical evidence. The course will expose the student to the procedures of searching and processing crime scenes for fingerprints, body fluids, glass, fibers, tool marks, ballistics, footprints and tire impressions. The student will be instructed in the proper methods of preserving and shipping criminal evidence for analysis, the various laboratory techniques used in analyzing criminal evidence and how expert witness testimony is prepared and presented in court. PR: CRIM 2236.

CRIM 3304 The Female Offender 3 hrs.

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. PR: CRIM 2206.

CRIM 3305 Changing Roles of Women in Criminal Justice..... 3 hrs.

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 3310 Comparative Criminal Justice 3 hrs.

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 3315 Digital Seizure and Analysis 3 hrs.

This course will introduce students to digital evidence and how to handle it properly. Students will be introduced to the forensic process so that they understand the importance of proper evidence processing and procedures.

CRIM 3320 Criminology 3 hrs.

The study of deviant behavior as it relates to the definition of crime. Topics include crime statistics theories of crime causation and crime typologies. PR: CRIM 1100.

CRIM 3325 Analysis of Security Operations..... 3 hrs.

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. PR: CRIM 2215.

CRIM 3330 Group Disturbances..... 3 hrs.

During class discussions, students will explore types of disturbances which occur in the correctional settings and become familiar with strategic planning responses. The course will utilize video graphics, group discussions, lectures and site visits to achieve the stated goals. PR: CRIM 2206.

CRIM 3335 Analysis of Police Operations 3 hrs.

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. PR: CRIM 1101.

CRIM 3340 Laws of Arrest, Search & Seizure..... 3 hrs.

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. PR: CRIM 1100, 1101.

CRIM 3345 Computer Forensics I..... 3 hrs.

This course will introduce students to the forensic examination of computers and digital and electronic media. This course will explore the file systems with a focus on the FAT file system and Windows Operating Systems. The emphasis is how to use forensically-sound methodologies to acquire admissible electronic evidence with coverage of computers.

CRIM 3350 Group Techniques 3 hrs.

This course is designed to instruct the student in the principles of group interactions. This information will directly apply to groups within a prison population, with specific information regarding a variety of criminal personalities. PR: CRIM 2212.

CRIM 3355 Analysis of Correctional Operations 3 hrs.

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. PR: CRIM 2206.

CRIM 3360 Community-Based Corrections 3 hrs.

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. PR: CRIM 2206.

CRIM 3365 Licit and Illicit Drugs..... 3 hrs.

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. PR: CRIM 1100.

CRIM 3370 Economic Crime..... 3 hrs.

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 3399 Special Issues in Criminal Justice 3-9 hrs.

Forum for special course offerings, focusing upon special issues in criminal justice, by visiting instructors or regular faculty.

CRIM 4401 Independent Study..... 1-6 hrs.

Students involved in this course will conduct surveys and applied research projects as approved and supervised by a Criminal Justice faculty member. Junior or Senior status.

CRIM 4405 Terrorism 3 hrs.

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 4410 Research in Criminal Justice..... 3 hrs.

Writing Intensive

Students will explore the interaction of theory, research, and

practice in the criminal justice process; the purposes and limits of research; introduction to research design, data collection, analytic techniques, data processing resources and preparation of research reports. PR: ENGL 1108. Junior or Senior status.

CRIM 4411 Field Practicum 3-12 hrs.

A supervised professional study conducted in the criminal justice field setting. Junior or Senior status and a 2.5 GPA.

CRIM 4415 Community Policing 3 hrs.

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. PR: CRIM 1101. Junior or Senior status.

CRIM 4420 Legal Research 3 hrs.

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. Junior or Senior Status.

CRIM 4425 Evaluation of the Criminal Justice System 3 hrs.

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. PR: ENGL 1108, CRIM 1100, 2206. Junior or Senior status.

CRIM 4430 Computer Forensics II 3 hrs.

This course is designed to foster a more advanced understanding of computer file systems. This course provides the data structures associated with volume and file systems. Students will begin utilization of some automated forensic tools to assist in the examination of digital evidence. PR: CRIM 3315 and 3345.

CRIM 4440 Internet Forensics 3 hrs.

This course will examine technologies and data recovery techniques concerning criminal activity on the internet. The course will explore how to identify and analyze criminal activity on the internet including email messages, web pages and web servers. PR: CRIM 3345.

CRIM 4445 Advanced Computer Forensics Investigations Seminar 3 hrs.

The discussion of specific digital forensics and cybercrime topics are emphasized in this course. Students focus on developing digital forensic and cybercrime projects. It is specifically designed to promote the application of the material students have learned related to digital evidence and cybercrime. PR: CRIM 2250.

CRIM 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

DANCE

DANC 1100 S-C&TC Introduction to Social Ballroom Dancing 2 hrs.

This course will introduce students to the study of basic figures of the American Style of waltz, foxtrot, swing, tango, cha cha, and mambo in accordance with the DVIDA bronze level syllabus. Students will also be introduced to the character of each dance, as well as how to recognize the music. This course will enable the student to participate in social occasions requiring ballroom dancing skills, such as weddings and formal social and business parties, as well as informal occasions.

DANC 1107 Introduction to Dance 2 hrs.

This course will be an introduction to basic movement techniques and skills in ballet and various modern and jazz dance styles. Introduction to the fundamentals of improvisation and composition will be covered. Utilizing rhythm and movement as dimensional elements of this space-time art. Students with previous dance experience may receive credit through examination.

DANC 1110 Ballroom Dancing Culture and Repertoire 2 hrs.

This course will introduce students to the history, etiquette, and rhythm of ballroom dancing. Course content will include how each dance has evolved through history and cultural influence. Students will learn how to display proper etiquette in dance, and become aware of this influence personal lifestyle. The study of music and its rhythm as it applies to each dance style will also be a focus.

DANC 1115 Physical Conditioning for Ballroom Dance 1 hr.

This course is designed to introduce students to the good health needs required of professional dancers. Students will be introduced to a variety of activities including proper eating habits, exercise, muscle building, and flexibility programs intended for healthy living. In addition, students will practice techniques as the dance instructor, on how to best assist their future students.

DANC 1117 Ballroom Fun Dancing 1 hr.

In this eight-week course, students will explore the more "relaxed" dances of ballroom dancing. These dances may include club dances such as salsa, meringue, hustle, and the west coast swing. They will also study the character of each dance, as well as how to recognize the music. This course will enable students to dance through entire songs at parties and weddings. This is an eight-week course and is a free elective open to all students.

DANC 1189 Guided Experience I VAR 1-4 hrs.

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 other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

DANC 1199 Special Topics in Ballroom Dance 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

DANC 1995 Ballroom Dancing Instruction Practicum 1-3 hrs.

This course will enable the student to learn and practice ballroom dancing teaching skills at the college, schools and other venues such as youth and community groups. Must be taken during three separate semesters at two or three different venues. PR: DANC 1100.

DANC 2201 Bronze Waltz/ Rumba 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of waltz and rumba plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in

these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style waltz and rumba at the end of the semester. PR: DANC 1100.

DANC 2202 Bronze Foxtrot/Swing 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of foxtrot and east coast swing plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style foxtrot and east coast swing at the end of the semester. PR: DANC 1100.

DANC 2203 Bronze Tango/Cha Cha..... 2 hrs.

In this course, students will complete the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of tango and cha cha plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these two dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style tango and cha cha at the end of the semester. PR: DANC 1100.

DANC 2204 Bronze Viennese/Bolero/Mambo..... 2 hrs.

In this course, students will complete the ten (10) figures that compose the DVIDA Bronze syllabus in the American style of Viennese waltz and bolero and the fifteen (15) figures that compose the DVIDA Bronze syllabus in the American style of mambo plus variations. Students will polish technique and should feel comfortable dancing with partners of multiple levels in these three dances at the end of the course. In addition, this course will provide an opportunity for students to test and receive the DVIDA Bronze certification for American style Viennese waltz, bolero, and mambo at the end of the semester. PR: DANC 1100.

DANC 2255 Best Practices in Studio Management..... 2 hrs.

The emphasis of this course is on identifying and responding to appropriate business, ethical, promotional, and creative challenges that happen when managing/owning a performing arts studio. Topics include (but not limited to) studio site selection, curriculum development, client services, creative marketing/promotion, staff development, and industry outlets for advancement. Students are expected to analyze examples via news articles and multi-media, discussing ethical issues, developing appropriate courses of action. Course assessments will include individual research and reporting on current trends and creating a mock studio profile.

DANC 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

DANC 2299 Special Topics 1-12 hrs.

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 school's dean.

DRAFTING

DRFT 1100 S-C&TC Engineering Graphics..... 3 hrs.

This introductory course covers basic drawing processes and techniques, including freehand lettering, geometric construction, sketching, multi-view and pictorial drawing, dimensioning and sheet

layout. Tools, drawing surfaces, computer graphics, and projection theory will be stressed throughout the course.

DRFT 1189 Guided Experience I VAR 1-4 hrs.

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 other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

DRFT 1199 Special Topics in Drafting 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

DRFT 2200 S-C&TC Fundamentals of CAD 3 hrs.

This is an introductory Computer Aided Drafting (CAD) course. Software to be covered will be Windows and the use of AutoCAD. The student will learn on a PC workstation and become familiar with plotters and printers.

DRFT 2205 Introduction to Solid Modeling..... 3 hrs.

An introduction to conveying information as to the shape, size, and formation of a three-dimensional object. Topics include technical sketches, drawings and illustrations for parts catalogues. Content areas include isometrics, perspectives, three-dimensional wire frames and solid models. Three-dimensional rendering will also be explored. PR: DRFT 2200.

DRFT 2215 Architectural Drafting..... 4 hrs.

A comprehensive study of the planning, design and drawing of a single-family residence. Primary considerations include the site, styling, codes, zones and basic construction techniques. Modern house planning results in a complete set of plans and specifications. PR: DRFT 2200.

DRFT 2225 Descriptive Geometry..... 3 hrs.

A study of the science of graphic representation and solution of space problems involving points, lines, intersections, parallelism, perpendicularity, revolution, vectors, developments, shades and shadows, conics, and spherical triangles.

DRFT 2235 S-C&TC Technical Drafting 3 hrs.

This course covers advanced drafting and design techniques by using a computer graphics workstation. The course content will include industrial detail drawing, electrical/electronics drawing, topographic mapping, pipeline drawing and production/working drawings. PR: DRFT 2200.

DRFT 2245 Architectural Design 3 hrs.

As approach to the development of residential design problems. Sketching, interior perspective and rendered perspective will be covered to prepare interior design majors. Content covers: architectural, pictorial and presentation drawings. PR: DRFT 2200.

DRFT 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

DRFT 2299 Special Topics 1-12 hrs.

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 school's dean.

DRFT 2995 Tool Design 4 hrs.

This course covers the design of tooling, including jigs and fixtures for machine operations such as drilling, reaming, tapping, milling and turning. Study will include modern tooling techniques, the use of computer graphics, tooling economics and development of jigs and fixtures that meet ANSI standards. PR: DRFT 2200. Capstone course.

ECONOMICS**ECON 1199 Special Topics in Economics 1-6 hrs.**

Studies in special selected topics, to be determined by the instructor and approved by the School Dean. Credits earned will be applicable as free electives in degree and certificate programs.

ECON 4406 Guided Economic Study 1-3 hrs.

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. PR: Instructor approval required.

ECON 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

EDUCATION**EDUC 1105 S-C&TC Basic Skills for Instructional Support 3 hrs.**

This course will cover learning strategies and study skills for the paraprofessional, including strategies for remembering information, reading and taking notes, interpreting graphic aids, improving time management, preparing for and taking tests and finding and using information. In addition, math strategies and learning problems in mathematics, plus reading skills, phonics, sight words, and reading comprehension will be covered.

EDUC 1199 S-FSU Special Topics in Education... 1-12 hrs.

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 S-FSU Introduction to Education 3 hrs.

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 an analysis of the historical, philosophical and sociological basis for programs, instructional strategies and teaching behaviors in American education.

EDUC 2201 S-FSU Instructional Technology 3 hrs.

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 S-FSU Human Development, Learning & Teaching 3 hrs.

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. Admission to Teacher Education.

EDUC 2206 S-C&TC Instructional Support Strategies 3 hrs.

This course will cover legislation affecting special education laws and the learning experience, the difference between mainstreaming and inclusion, the IEP and the self-contained classroom for the paraprofessional. Students will also learn about implementation of effective classroom management. Behavioral support in a positive learning environment and the role of the family, for encouraging and including parental input in an educational plan, will be included.

EDUC 2220 S-FSU Introduction to Special Education 3hrs.

This course is a guided survey of the areas of exceptionality in the field of Special Education (emotionally/behaviorally disturbed, physically handicapped, speech and language, visually impaired, hearing impaired, mentally impaired, gifted, and learning disabled), and the historical, philosophical, political and sociological foundations related to exceptional children. The laboratory component of the course is designed to provide experience in the areas of exceptionality through observation and limited participation in these areas.

EDUC 2225 Computer Education 3 hrs.

In this course, students study the history of computers in society and education. The focus of the course is on understanding the theories supporting computer use in schools, the ways computers are used, and the effects of computer-based instruction on student learning. Admission to Teacher Education.

EDUC 2226 Technology in Instruction 3 hrs.

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. Admission to Teacher Education.

EDUC 2240 High Incidence Disabilities for Educators 3 hrs.

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 be gain an introductory understanding of the role of the regular educator in the IEP process and co-teaching within the inclusive classroom. Admission to Teacher Education.

EDUC 2260 Instructional Design I 3 hrs.

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, NCATE, INTASC, and ISTE standards. PR: Admission to Teacher Education, CR: EDUC 2265

EDUC 2265 Field Experience 2 1 hr.

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. CR: EDUC 2260, PR: EDUC 2203 & EDUC 2240

EDUC 2995 S-C&TC Behavior Support Strategies..... 3 hrs.

This course presents basic principles and practices in the use of applied behavior management with both normal and exceptional learners for the paraprofessional. Students will gain firsthand experience in using behavior analysis and other behavioral support strategies in field settings. Capstone course.

EDUC 3307 Instructional Technology II 3 hrs.

This course prepares the pre-service teacher to utilize school-wide classroom technology applications. Hardware, software, advanced applications, computer lab operations and school-wide assistance are the major areas of intent in the course. Admission to Teacher Education.

EDUC 3330 The Reading Process..... 3 hrs.*Writing Intensive*

This course examines the components of reading, with emphasis placed upon word attack skills, reading comprehension and factors which affect reading progress. Admission to Teacher Education. PR: ENGL 1108.

EDUC 3331 Reading in the Content Areas 3 hrs.*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. Admission to Teacher Education. PR: ENGL 1108.

EDUC 3332 Pedagogy of Literacy (Reading and Language Arts Methods) 3 hrs.

Designed to address the curriculum, content, methods, materials, and assessment of effective literacy and language arts instruction in the elementary classroom. This course emphasizes analysis of developmentally appropriate standards and objectives, instructional models, active learning strategies, and evaluation methods for reading, handwriting, grammar, spelling, writing, oral communication, and listening. Attention is given to lesson and unit planning, selection of materials and resources needed to implement those plans, and assessment of learning at the age and grade level appropriate to the learner. PR: Admission to Teacher Education, EDUC 3330, or taken concurrently and EDUC 3331.

EDUC 3340 Instructional Design II 3 hrs.

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, socio-economic, 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, NCATE, INTASC, and ISTE standards. PR: EDUC 2260, CR: EDUC 3365

EDUC 3350 Elementary Social Studies Methods 3 hrs.

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. PR: Admission to Teacher Education and EDUC 2260.

EDUC 3351 Inclusive Classroom Practices for Individual Differences 3 hrs.*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 Clinical III. PR: ENGL 1108.

EDUC 3365 Field Experience 3 2 hrs.

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. CR: EDUC 3340 & EDUC 3351

EDUC 4485 Action Research 1 hr.

This course is taken concurrently with student teaching and consists of completing a capstone action research project. During the course, students 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, prepare and present the presentation of the project to peers and faculty. PR: EDUC 3365, CR: EDUC 4491 or EDUC 4496

EDUC 4486 Portfolio 1 hr.

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. PR: EDUC 3365, CR: EDUC 4491 or EDUC 4496

EDUC 4491 Elementary Student Teaching 10 hrs.

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. PR EDUC 3365, CR: EDUC 4485 & EDUC 4486

EDUC 4496 Secondary Student Teaching 10 hrs.

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. PR: EDUC 3365, CR: EDUC 4485 & EDUC 4486.

EDUC 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ELECTRONICS ENGINEERING TECHNOLOGY

ELEC 1100 Circuit Analysis I 3 hrs.

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 are studied. CR: MATH 1101 or 1115.

ELEC 1199 Special Topics in Electronics Engineering Technology 1-12 hrs.

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 3 hrs.

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. CR: ELEC 1100.

ELEC 2210 Circuit Analysis II 3 hrs.

Continuation of ELEC 100, including the theory and application of circuit analysis theorems. Also covered are nonsinusoidal waveforms, three-phase circuits and the use of computers in solving problems. PR: ELEC 1100, CR: MATH 1102.

ELEC 2225 Electronic Devices 3 hrs.

Devices studied will include diodes, transistors, Op Amps, PLL's, and timers. The circuitry will include power supplies, basic amplifier types, power amplifiers, switching circuits, voltage regulators, comparators and active filters. PR: ELEC 2200. CR: ELEC 2210 and one of the following: MATH 1186; MATH 3315; or a MATCH ACT OF 24 or better.

ELEC 2230 Digital Electronics 3 hrs.

Theory and experimentation with SSI, MSI, and LSI devices and systems, including such basic components as gates, flip-flops, counters, decoders, timers, displays, memories, etc., and such systems as thermometers, tachometers, meters, etc. PR: ELEC 2210, ELEC 2215.

ELEC 2240 Industrial Electronics 3 hrs.

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. PR: ELEC 2220, 2230.

ELEC 2250 AC-DC Machinery and Controls 3 hrs.

Practical aspects in the use and maintenance of AC-DC machinery and power distribution, including motors, generators, starters, speed controllers, breakers, transformers, etc. PR: ELEC 1100, MATH 1102.

ELEC 2260 Communication Systems 3 hrs.

Theory, operation, and maintenance of AVMA, FM, PM and digital communications systems. PR: ELEC 2220, 2230.

ELEC 2270 Microcomputers 3 hrs.

Project based learning using the Parallax BS2 microcontroller and the Boe-Bot. Students will learn by going through several guided activities and then develop their own projects based on the skills learned. PBASIC is the high level computer language used for programming. PR: ELEC 2230, COMP 1101.

ELEC 2280 Programmable Controllers 3 hrs.

An introduction to programmable controllers and their application to sequential process control. Topics include basic operating characteristics, relays, timers, counters, sequencers, editing and on-line data control. Practical laboratory experiences will be provided in controller applications, programming, installation and maintenance. PR: COMP 1101, ELEC 2230.

ELEC 3300 Advanced Linear Electronics 3 hrs.

Study of linear devices including OP, AMPS, comparators, PLLs, timers, audio ICs, voltage references and current references. The course will include analysis and design concepts for the circuits studied. PR: ELEC 2260 and 2270. CR: TECH 3300 OR MATH 1186 or MATH 3315.

ELEC 3310 Advanced Microcomputer Systems 3 hrs.

Continuation of ELEC 2270, using the Parallax propeller 8 core microcontroller. Students will work through guided activities, and then develop their own projects. The high level computer language used is Spin, which is an object oriented programming language. PR: ELEC 2270.

ELEC 4400 Senior Electronics Project 3 hrs.

Writing Intensive

Instructor-approved project integrating concepts from previous courses. This course will allow the student to pursue specialized interests and show that s/he can complete an individual project. Baccalaureate majors only. PR: ENGL 1108, ELEC 3300 and 3310, Instructor approval required.

ELEC 4410 Data Acquisition and Control Systems 4 hrs.

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. Baccalaureate majors only. PR: ELEC 2240, and 3300.

ELEC 4401 Senior Electronics Project I 4 hrs.

Instructor-approved capstone project. This course will allow the student to pursue specialized interests and show that s/he can manage and complete as individual project. This is a two course sequence and the student will select a project with faculty approval, design the project, and perform preliminary testing of the project. Project management techniques will be set up in this first course. Baccalaureate majors only. PR: ELEC 3300 and ELEC 3310, and instructor consent.

ELEC 4402 Senior Electronics Project II 3 hrs.

Writing Intensive Course

Continuation of ELEC 4401. While completing the ELEC 4401 project, students will demonstrate, prepare and deliver an oral presentation, and submit a final report. PR: ENGL 1108. CR: ELEC 4401.

ELEC 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ENGLISH

ENGL 0092 S-C&TC Basic Reading and Study Skills... 3 hrs.

English 0092 emphasizes basic reading techniques and study skills necessary to succeed in college-level courses. It is recommended for students scoring below a 17 on the Reading portion of the ACT and 75 on the COMPASS test or who have difficulty with academic tasks in general. The course offers individualized and group instruction for college-level reading tasks, including word recognition, vocabulary and comprehension skills, and for study skills, including time management, textbook comprehension, note-taking, study techniques, and test preparation. Incoming basic literacy is assumed. Credit hours will not apply toward hours required for graduation.

ENGL 0098 FSU Composition Skills Lab 0 hrs

This lab will be taken concurrently with a designated section of English 1104. This is a Credit/No-Credit course that fulfills requirements for students scoring below 17 on the English ACT. This lab focuses on improving skills in written composition to help students develop the skills necessary to earn a "C" or better in English 1104 in the same semester. The lab emphasizes honing the necessary skills to generate college-level essays. According to state college mandates, to earn a Credit in the lab, students must be able to write an essay that demonstrates the following:

- a central idea or thesis;
- an introduction/body/conclusion;
- paragraphs with topic sentences and supporting details;
- complete, grammatical sentences with some variety in syntax;
- appropriate word choice;
- clear flow of ideas from one part to another;
- proficient use of standard written English, punctuation, and spelling.

This course offers institutional credit only. Credit hours will **not** apply toward hours required for graduation. It must be taken concurrently with a designated section of English 1104, and be completed within the first 32 hours of work in a student's program of study.

ENGL 1104 S-C&TC Written English I..... 3 hrs.

This course offers a 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. PR: Minimum scores of 18 (English) on the ACT, 450 on the SAT-Critical Reading, 71 on the COMPASS test, or successful completion of an appropriate basic writing class (e.g., English 0097). NOTE: English 1104 is a prerequisite for enrollment in all other English courses. A "C" in English 1104 is a graduation requirement for all degrees.

ENGL 1108 S-FSU Written English II..... 3 hrs.

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. PR: A C or better in ENGL 1104. NOTE: the grade of "C" or better in ENGL 1104 and 1108 is a graduation requirement for all degrees.

ENGL 1109 S-C&TC Technical Report Writing 3 hrs.

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. PR: "C" or better in English 1104 (Written English I). A grade of "C" or better in English 1109 is required for graduation

when English 1109 is required in the student's program of study.

ENGL 2007 Shakespeare Road Trip..... 1 hr.

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. PR: ENGL 1108.

ENGL 2220 S-FSU World Literature I: Origins to 1650..... 3 hrs.

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*). PR: 1108 or 1109.

ENGL 2221 S-FSU World Literature II: 1650 to the Present..... 3 hrs.

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). PR: 1108 or 1109.

ENGL 2230 S-FSU Introduction to Literature I: Prose Narratives 3 hrs.

A study of narrative art both in fictional forms (the short story, the novel, allegory) and non-fictional forms (autobiography, personal essay), with readings from many cultures within a world context, giving substantial exposure to important works written in the last 100 years and to those written by women and minorities. PR: 1108 or 1109.

ENGL 2231 S-FSU Introduction to Literature II: Poetry & Drama 3 hrs.

A study of the forms and conventions of the genres through close reading, discussion, and written response. Students will survey representative works from fifth-century Athens to the most contemporary voices. Relevant exposure will be given to poems and plays by and about women and minorities. PR: 1108 or 1109.

ENGL 2251 Introduction to Literary Studies 3 hrs.

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.

Offered in the fall only.

ENGL 3301 Theories of Language and their Application to English I..... 3 hrs.

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. PR: ENGL 1108.

ENGL 3302 Theories of Language and their Application to English II..... 3 hrs.

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. PR: ENGL 3301.

ENGL 3303 Survey of Amer Lit I: Beginnings to the 1850s..... 3 hrs.

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. PR: ENGL 2220.

ENGL 3304 Survey of Amer Lit II: The 1850s to the Present 3 hrs.

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. PR: ENGL 2221.

ENGL 3313 Survey of British Literature I..... 3 hrs.

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. PR: English 2220.

ENGL 3314 Survey of British Literature II 3 hrs.

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. PR: English 2221.

ENGL 3320 Literary Criticism..... 3 hrs.

A study of past and present critical methods and of the theoretical assumptions upon which they are based. PR: ENGL 3303 or 3313.

ENGL 3332 Narrative and Descriptive Writing 3 hrs.

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. PR: ENGL 1108.

ENGL 3333 Writing Non-Fiction 3 hrs.

Writing Intensive

Study and practice of the various kinds of expository writing. PR: ENGL 1108.

ENGL 3344 Writing Poetry 3 hrs.

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. PR: ENGL 1108.

ENGL 3345 Writing Fiction..... 3 hrs.

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. PR: ENGL 1108.

ENGL 3349 Advanced Technical Communication 3 hrs.

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. PR: ENGL 1108 or 1109.

ENGL 3354 Children's Literature..... 3 hrs.

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 . PR: ENGL 1104.

ENGL 3355 Young Adult Literature..... 3 hrs.

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 . PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3356 Fantasy, Science Fiction, and Magical Realism 3 hrs.

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. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3361 American Romanticism 3 hrs.

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. PR: ENGL 3303.

ENGL 3362 American Realism and Naturalism 3 hrs.

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. PR: ENGL 3304.

ENGL 3363 The American Novel..... 3 hrs.

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. PR: ENGL 3303 or 3304.

ENGL 3364 Appalachian Literature 3 hrs.

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. PR: ENGL 2221.

ENGL 3365 American Modernism..... 3 hrs.

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. PR: ENGL 3304.

ENGL 3366 Contemporary Literature 3 hrs.

This course examines the ways in which visual and written texts have illustrated shifts in political and linguistic thought since mid-century. 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. PR: ENGL 3304 or 3314.

ENGL 3370 Literature of the Middle Ages 3 hrs.

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. PR: ENGL 3313.

ENGL 3373 Chaucer 3 hrs.

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. PR: ENGL 3313.

ENGL 3374 Shakespeare 3 hrs.

Writing Intensive

A study of Shakespeare's poetry and plays. PR: ENGL 3313.

ENGL 3375 Later Renaissance British Literature 3 hrs.

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 patrons, 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. PR: ENGL 3313.

ENGL 3377 Literature of the Enlightenment 3 hrs.

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). PR: ENGL 3313

ENGL 3378 British Romanticism 3 hrs.

A concentrated study of the works of such writers as Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. PR: ENGL 3314.

ENGL 3379 Literature of the Victorian Period 3 hrs.

A concentrated study of the works of such writers as Tennyson, Browning, Rossetti, Arnold, Swinburne, Mill, Ruskin and Carlyle. PR: ENGL 3314.

ENGL 3380 Twentieth-Century British Literature 3 hrs.

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. PR: ENGL 3314.

ENGL 3381 The British Novel 3 hrs.

A historical and critical study of significant British novels of the eighteenth, nineteenth, and twentieth centuries. PR: ENGL 3313 or 3314.

ENGL 3382 The World Novel 3 hrs.

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. PR: ENGL 2220.

ENGL 3383 Epic Tradition 3 hrs.

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. PR: ENGL 2220 or ENGL 2221.

ENGL 3385 The Arthurian Tradition 3 hrs.

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. PR: ENGL 1108.

ENGL 3386 The Bible as Literature 3 hrs.

This course focuses on the literary history, interpretation and genres of the Bible, as well as significant biblical tropes, metaphors and narratives. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3387 Folk Literature 3 hrs.

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. Also listed as FOLK 3300. PR: ENGL 2220.

ENGL 3388 Women's Literature 3 hrs.

A study of classic texts in women's literature, including such works as *A Room of One's Own*, "Tell Me A Riddle," *Jane Eyre*, *Orlando*, *The Awakening* and Adrienne Rich's work. Students will also study the works of such contemporary female writers as Caryl Churchill, Marilynne Robinson, Margaret Atwood, Gloria Naylor, Toni Morrison, Rachel Ingalls and Maxine Hong Kingston. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3389 Minority Literature 3 hrs.

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. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3390 Modern Drama 3 hrs.

This course examines world drama from the nineteenth-century to the present. PR: ENGL 2221.

ENGL 3391 The Short Story 3 hrs.

This course offers a critical study of this art form based upon the work of authors from around the world. PR: ENGL 2221.

ENGL 3392 Contemporary Poetry 3 hrs.

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. PR: ENGL 2221.

ENGL 3393 Southern Literature 3 hrs.

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. PR: ENGL 3303 or 3304.

ENGL 3394 The Art of the Motion Picture..... 3 hrs.

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. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3395 Journeys in Comparative Mythology 3 hrs.

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. PR: ENGL 2220.

ENGL 3396 Literature and Film..... 3 hrs.

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. PR: ENGL 2220 or ENGL 2221 or ENGL 2230 or ENGL 2231.

ENGL 3399 Special Topics in English..... 1-12 hrs.

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. PR: ENGL 1108.

ENGL 4400 Senior Seminar 3 hrs.

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. PR: ENGL 3320.

ENGL 4431 Methods and Materials in Teaching English..... 3 hrs.

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. PR: ENGL 3355 and 3374.

ENGL 4441 Independent Study..... 1-4 hrs.

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. Instructor approval required.

ENGL 4489 Writing for Literary Conferences 1 hr.

This course prepares students for presenting their literary papers at academic conferences. PR: Instructor approval required.

ENGL 4491 Writing Internship..... 3 hrs.

Writing internships allow students to apply their communication (verbal and written) and critical thinking skills in writing for business and non-profit organizations. A GPA of 3.25 and completion of 18 hours toward the English major are required. This course may be repeated for credit. Instructor approval required.

ENGL 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level. This course may be repeated for credit. Instructor approval required.

ENGLISH AS A SECOND LANGUAGE

*Registration restricted to ESL students only.

ESLG 0051 Elementary Academic Reading..... 3hrs.

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 3 hrs.

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..... 3 hrs.

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..... 3 hrs.

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 3 hrs.

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

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 3 hrs.

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..... 3 hrs.

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. PR: ESLG 0051.

ESLG 0062 Intermediate Composition..... 3 hrs.

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. PR: ESLG 0052.

ESLG 0063 Intermediate Speaking and Listening 3 hrs.

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. PR: ELG 0053.

ESLG 0064 Intermediate Grammar Studies..... 3 hrs.

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. PR: ESLG 0054.

ESLG 0065 Intermediate Vocabulary and Pronunciation 3 hrs.

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. PR: ESLG 0055.

ESLG 0066 Intermediate TOEFL Strategies..... 3 hrs.

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. PR: ESLG 0056.

ESLG 0067 Intermediate American Culture 3 hrs.

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. PR: ESLG 0057.

ESLG 0071 Advanced Academic Reading..... 3 hrs.

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. PR: ESLG 0061.

ESLG 0072 Advanced Composition..... 3 hrs.

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. PR: ESLG 0062.

ESLG 0073 Advanced Speaking and Listening..... 3 hrs.

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. PR: ESLG 0063.

ESLG 0074 Advanced Grammar Studies 3 hrs.

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. PR: ESLG 0064.

ESLG 0075 Advanced Vocabulary and Pronunciation

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. PR: ESLG 0065.

ESLG 0076 Advanced TOEFL Strategies..... 3 hrs.

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. PR: ESLG 0066.

ESLG 0077 Advanced America Culture..... 3 hrs.

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. PR: ESLG 0067.

FINANCE**FINC 3307 Personal Finance..... 3 hrs.**

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. PR: BSBA 2221, BSBA 2212.

FINC 3315 Venture Finance 3 hrs.

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. PR: MGMT 3350.

FINC 3350 Investments..... 3 hrs.

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. PR: BSBA 2221.

FINC 3384 Bank Management..... 3 hrs.

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. PR: BSBA 2221.

FINC 3385 Analyzing Financial Statements 3 hrs.*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. PR: ENGL 1108, BSBA 2221, BISM 2200.

FINC 4410 Managerial Finance..... 3 hrs.

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. PR: BSBA 3310, FINC 3385, FINC 3350.

FINC 4412 PC Applications for Managerial Finance 3 hrs.

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. PR: BISM 1200, FINC 4410.

FINC 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

FOLKLORE STUDIES**FOLK 2200 S-FSU Introduction To Folklore 3 hrs.**

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 1 hr.

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 3 hrs.

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. Also listed as ENGL 3387. PR: ENGL 1108.

FOLK 3301 Material Culture 3 hrs.

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 artifactual analysis and fieldwork.

FOLK 3302 Regional Cultural Geography and History 3 hrs.

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 3 hrs.

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. Also listed as THEA 3320 and COMM 3320.

FOLK 3350 Roads to Appalachia Study Abroad 3 hrs.

"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 4400 Directed Folklore Study 3-6 hrs.

This course provides intensive study, reading, and research of a folklore topic selected by a student with an opportunity to mentor with a specialist in the field. Topics will be interdisciplinary, such as the following: Appalachian (Regional/Written) Literature, Ethnography and Process of Storytelling, Urban and Popular Culture, Children's Folklore, Traditional Folk Music (Vocal and Instrumental), Appalachian African-American Lore, Rural Education, Arthurian Legend: Comparative Folk Literature Study, and Vintage Clothing Preservation. Note: If an existing course is available on campus reflecting any of these topics, a student may opt to take it, with the approval of the Folklore Studies advisor. The West Virginia Folklife Center at Fairmont State and the Folklore Studies advisor will also help students to network with specialists in the community. This course is for seniors only.

FOLK 4401 Folklore Applications 3 hrs.

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. PR: All other courses in the minor program. This course is for seniors only.

FOLK 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

FOOD SERVICE MANAGEMENT**FOSM 1100 ServSafe™ 1 hr.**

Students will master multiple modules relating to topics on food service sanitation. Upon completion of the course, students will be prepared to successfully take the ServSafe™ exam.

FOSM 1110 S-C&TC Nutrition 3 hrs.

This course is a study of the nutrients, their sources, and their relationship to body functions. Each stage of the life cycle will be studied as it relates to changing nutritional requirements for

individuals and family groups of varying cultural and economic levels. Students will evaluate their daily nutritional intake against recommended daily allowances.

FOSM 1119 Intro to the Food Service and Hospitality Industry 3 hrs.

This course is an overview of all aspects of the hotel, foodservice, restaurant, and travel and tourism businesses, including operations, marketing, and sales. Trends in this rapidly changing industry will be stressed

FOSM 1120 Nutrition in Childhood & Adolescence 3 hrs.

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 needs from pre-pregnancy through adolescence. Students will evaluate the new dietary guidelines and food pyramid system and complete a menu planning assignment and a computer-aided diet analysis for an individual between the ages of 2-18.

FOSM 1121 Food Service Facilities & Equipment 3 hrs.

The emphasis is on food service equipment selection and layout in relation to production and workflow. Specifications, energy sources, use and care of food service equipment will be included in the course. Students will demonstrate the utilization and care of selected food service equipment in a laboratory setting.

FOSM 1122 Safety & Sanitation 2 hrs.

This course is a look at the latest information in the science of food safety along with appropriate principles to maintain food safety in an operation and to protect against food borne illness. This course incorporates the National Restaurant Association's certification curriculum. Students completing the final certification exam with a minimum score of 75% will be issued a certificate of completion.

FOSM 1130 Basic Baking 3 hrs.

This course applies the fundamentals of the baking science to the preparation of a variety of pastry and baking products. Will include the use and care of equipment normally found in a bakeshop or baking area. PR or CR: FOSM 1121, FOSM 1100 or FOSM 1122. Majors only.

FOSM 1140 Food Service Cost Analysis and Management 3 hrs.

This course will enable students to perform basic cost analysis related to food service operations. The student will perform calculations associated with food costs, labor costs, menu pricing, and other pertinent management functions.

FOSM 1150 Sports Nutrition 3 hrs.

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, a thorough 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.

FOSM 1155 Cafeteria Management in Schools 3 hrs.

This course will provide an overview of basic child nutrition operations as well as managerial skills and knowledge of managing child nutrition programs. Course outcomes will equip cafeteria managers with the necessary knowledge, skills and work practices to positively impact their programs and improve work practices to support program changes that address the many health issues confronting our children. PR: Successful completion of the Cafeteria Manager's Institute (a 3-day training session provided by the WVDE) is required as a prerequisite to enrollment.

FOSM 1189 Guided Experience I VAR 1-4 hrs.

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 other project agreed upon between the student and

the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

FOSM 1199 Special Topics in Food Service 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

FOSM 2200 Introduction to Foods 3 hrs.

This course is a study in the selection, storage, preparation, and presentation of food. This three credit hour course will investigate each of the following categories of food and apply knowledge gained to laboratory applications: Milk & Dairy Products; Meat, Poultry & Shellfish; Fruits & Vegetables; Grains & Starches; Breads; Desserts; & Beverages. Emphasis will be placed on meal planning, food safety, nutrient value, and quality in taste and appearance.

FOSM 2201 Principles of Food Selection & Preparation 3 hrs.

This course provides a study of the selection, storage, preparation, and presentation of food. Students will investigate each of the following categories of food and apply knowledge gained to practical applications in the laboratory setting: Stocks and sauces, soups, meat and game, poultry and game birds, fish and shellfish, vegetables, potatoes and starches, salads and salad dressings, sandwiches, breakfast preparation, and dairy products. Emphasis will be placed on ensuring food safety, nutrient value, and quality in taste and appearance. FOSM majors only. PR: To be taken concurrently with FOSM 2203.

FOSM 2202 S-C&TC Principles of Quantity Food Production 3 hrs.

Principles and techniques of quantity food preparation will be covered. Emphasis will be given to menu planning, use of standardized recipes, and quantity food production techniques. PR: FOSM 2201. To be taken concurrently with FOSM 2204.

FOSM 2203 S-C&TC Principles of Food Selection & Preparation Lab 1 hr.

Students will apply basic principles of food selection and preparation in a controlled lab setting. Labs will include application of basic food science and food evaluation techniques. PR or CR: FOSM 1121, FOSM 1100 or FOSM 1122. Course must be taken with FOSM 2201. Majors only.

FOSM 2204 S-C&TC Principles of Quantity Food Production Lab 1 hr.

Students will apply principles and methods of quantity food production using institutional equipment and evaluate food with consideration given to quality control and cost control. PR or CR: FOSM 2203. Must be taken with FOSM 2202. Majors only.

FOSM 2209 Food Specialties-Garde Manger II 3 hrs.

This course is the advanced garde mange techniques including aspic pates, sauces, terrines, and garnishes. The manipulation of special tools used in this type of food preparation is stressed. Buffet table arrangement, food display, and organization are studied. PR: FOSM 2203. Majors only.

FOSM 2210 Culinary Competitions 1-12 hrs.

Students will produce innovative, competition quality food. Students will use advanced culinary techniques to showcase their creations for constructive critique. Students should expect to practice on their own a minimum of two hours for every one hour in class. PR or CR: FOSM 2203. Majors only.

FOSM 2220 S-C&TC Diet Therapy 3 hrs.

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. PR: FOSM 1110.

FOSM 2224 Purchasing and Receiving..... 3 hrs.

Includes factors to consider in selecting, purchasing, receiving, and storing various foods. Emphasis is given to the development of purchasing policies, procedures, inventory control and storage. Computer application is included in the course.

FOSM 2225 Resort & Hotel Management..... 3 hrs.

Students will study four primary areas of the resort and hotel lodging businesses; service and guest services, housekeeping, catering and banquets, and front desk operations. Students will focus on the revenue and cost centers associated with hotel industry. Emphasis will also be placed on management of rooms, food and beverage, marketing, engineering, accounting, human resources, and security.

FOSM 2227 Food and Beverage Merchandising 3 hrs.

This course discusses catering for different types of social functions, dining room arrangement, and service to gain customer satisfaction. It also deals with purchase specifications, management and quality as applied to tableware, furnishing, equipment, and supplies.

FOSM 2228 Food Service Organization and Management..... 3 hrs.

The students will analyze the organization and management of various types of food service programs. Special emphasis is placed on personnel, operating systems, budgeting, purchasing, work schedules, and supervision.

FOSM 2230 Advanced Baking 3 hrs.

Students will develop skills in advanced baking techniques, bread making, pastries, and cake decorating. The class will also include information on the corollary business aspects, such as calculating size and determining costs. PR or CR: FOSM 1130. Majors only.

FOSM 2232 Pastry & Confections 3 hrs.

Students will develop skills in advanced decorating techniques and more complex preparations of pastry, confections, and dessert products. Students will also be introduced to candy, pastillage, sugar, and chocolate work. PR: FOSM 1130. Majors only.

FOSM 2250 Applications in Community & Medical Nutrition 3 hrs.

This course will provide students with methods and practices necessary to access nutritional needs in client-oriented dietetic systems and community-oriented nutrition programs. Students will apply nutrition knowledge to the following: patient education, screening for nutritional risk, determining nutrient requirements across the lifespan, translating nutritional needs into food and menu choices, calculating body composition, and calculating diets for specific health conditions. PR: FOSM 2220.

FOSM 2255 Management & Regulation of Child Nutrition Programs in Schools 3 hrs.

This course will provide knowledge and application practices related to management principles, regulatory requirements, best practices, and current issues related to school nutrition programs. The following aspects of school nutrition program management will be covered: menu planning, procurement, financial management and accountability, food production, record keeping, food safety, training and nutrition education. Management practices will be incorporated throughout the class. PR: Successful completion of a 4-day seminar session provided by the WVDE is required as a prerequisite to enrollment. Seminar sessions will consist of lectures and program applications delivered by state-level coordinators, topical concurrent sessions related to course outcomes, activities and resources. Students will fulfill remaining course requirements through on-site application assignments.

FOSM 2260 Seminar in Dietary Management 2 hrs.

This course will focus on the dietary management profession by looking at legal issues, professionalism, certification and licensing, preparation of resume, etc. PR: Special Approval. FOSM majors only.

FOSM 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

FOSM 2299 Special Topics 1-12 hrs.

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 school's dean.

FOSM 2995 Food Service Practicum 2-15 hrs.

A supervised work experience conducted in an assigned food service operation. Course may be repeated for up to 15 hours of credit based on emphasis area. Capstone course.

FORSENSIC SCIENCE

FORS 2201 Introduction to Forensic Science. 4 hrs.

This activities-based course is designed to engage students in the scientific study of collecting and analyzing physical evidence. Students will be involved in 3 hours of lecture/discussion and a 3 hr lab session each week. 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. PR: CHEM 2200, BIOL 1106. Fall semester only.

FORS 2225 Forensic Microscopy and Spectroscopy. ... 3 hrs.

This course is an introduction to the microscopy and spectroscopic techniques employed by forensic scientists to analyze trace evidence including hairs, fibers, paint chips, glass fragments, etc. The course will consist of two hours of classroom instruction and two hours of laboratory each week. PR: CHEM 2200 and MATH 1115 or higher. Spring semester of even years.

FORS 4401 Capstone Seminar in Forensic Science. 3 hrs.

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. PR: INTR 4411.

FORS 4411 Forensic Science Internship..... 2 hrs.

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. PR: Junior status or Senior status.

FRENCH

FREN 1101 S-FSU Elementary French I 3 hrs.

This introductory course covers pronunciation, oral

comprehension and speaking, reading and written drill and composition and elements of grammar. Laboratory.

FREN 1102 S-FSU Elementary French II 3 hrs.
Continuation of 1101, completing the basic grammatical principles. PR: FREN 1101.

FREN 1199 Special Topics in French 1-12 hrs.
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 S-FSU Intermediate French I 3 hrs.
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. PR: FREN 1102.

FREN 2202 S-FSU Intermediate French II 3 hrs.
The continuation of FREN 2201. PR: 2201.

FREN 2220 Intermediate Topics in French 3 hrs.
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 3 hrs.
Supervised independent study reflecting the student's needs and interests.

FREN 3311 French Composition and Conversation I 3 hrs.
This course covers writing, conversation and aural comprehension, with extensive use of audio-visual aids. Emphasis on practical proficiency, grammar, vocabulary building, and phonetics. PR: FREN 2202.

FREN 3312 French Composition and Conversation II 3 hrs.
Parallel course to FREN 3311, with content emphasizing French civilization and culture. PR: FREN 2202 or equivalent. Note: 3311 and 3312 may be taken in any order.

FREN 3314 French Civilization and Culture 3 hrs.
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. PR: FREN 2202.

FREN 3321 Contemporary Literature 3 hrs.
This course focuses on outstanding writers of the twentieth century, such as Camus, Ionesco, Proust and Sartre. Emphasis is on reading comprehension. PR: FREN 2202.

FREN 4411 Advanced French Composition and Conversation 3 hrs.

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. PR: ENGL 1108, FREN 3312.

FREN 4426 Main Currents of French Literature and Culture 3 hrs.

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. PR: FREN 2202.

FREN 4431 Methods and Materials in Teaching French 3 hrs.
Study and practice in teaching French language and literature, grades 5-Adult.

FREN 4998 Undergraduate Research 0-6 hrs.
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. Sophomore-Senior Level, Repeatable. Instructor approval required.

GEOGRAPHY

GEOG 1199 Special Topics in Geography 1-12 hrs.
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 S-FSU Introduction to Geography 3 hrs.
An introduction to the physical and cultural elements of geography, with a study of major geographical regions of the world.

GEOG 3305 Economic Geography 3 hrs.
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 3 hrs.
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 3330 Geography of North America 3 hrs.
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 3340 Geography of Europe 3 hrs.
A study of the important geographic concepts concerning man's activities in Europe and their importance to the United States and the rest of the world. A general overview will be made of Soviet European geography.

GEOG 3370 Geography of Asia 3 hrs.
The study of Asia for the purpose of understanding the various Asian nations, their economic-geographic regions, major commodities, industry, commerce and major problems.

GEOG 3399 Maps and Diagrams 3 hrs.
This course covers the application of statistical data through different kinds of diagrams, such as bar, pie, ring, and block diagrams and graphs; the preparation and understanding of maps and introduction to the application of computers for maps and diagrams.

GEOLOGY

GEOL 1101 S-FSU Physical Geology 4 hrs.
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. Three hours of lecture and two hours of lab per week. Lab includes field trips.

GEOL 1102 S-FSU Historical Geology..... 4 hrs.

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. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1103 S-FSU Introduction to Environmental Geology 4 hrs.

This course explores the practical application of elementary geologic principles to everyday environmental problems. It also covers hazardous earth processes, including landslides, volcanoes, and earthquakes, as well as geologic aspects of human-induced problems such as mining, mineral production, subterranean waste disposal, and water and land use. Three hours of lecture and two hours of lab per week. Lab includes field trips. PR: GEOL 1101.

GEOL 1199 Special Topics in Geology..... 1-12 hrs.

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.

GRAPHICS TECHNOLOGY**GRAP 1100 S-C&TC Graphics Communications Processes..... 3 hrs.**

An introduction to and a survey of the discipline of graphics design and technology. The topics include a survey of the graphics industry, the knowledge base and history of graphic design, and an examination of graphics technologies and careers as well as an overview of available resources for study and research in computer graphics.

GRAP 1125 Multimedia Concepts..... 3 hrs.

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.

GRAP 1150 S-C&TC Computer Applications to Graphics 3 hrs.

An introduction to the Apple computer and operating system, containing a thorough coverage of computer fundamentals with an introduction to industry standard graphics software.

GRAP 1189 Guided Experience I VAR 1-4 hrs.

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 other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

GRAP 1199 Special Topics in Graphic Communications..... 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the school's dean. Credits earned will be applicable as free electives in degree and certificate programs.

GRAP 2200 S-C&TC Introduction to Desktop Publishing 3 hrs.

This course presents the basics in the make-up of copy with an emphasis on composition and typography. Students will produce tangible photo ready art and introductory electronic prepress images using the Apple Macintosh. Single and multiple color paste-up techniques, forms layout, cropping and scaling of photographs, and media conversion are among the activities that will be beneficial in upper level graphics classes as well as future employment endeavors. CR: GRAP 1150.

GRAP 2210 S-C&TC Graphics-Methods and Materials..... 3 hrs.

This course is an introduction to the printing and publishing industry, the historical and traditional processes of printing, working with digital data, digital terminology and finishing operations.

GRAP 2230 S-C&TC Graphic Design I 3 hrs.

This is a studio course introducing the process of graphic design including the principles of design and problem solving methodologies for page layout and 2-dimensional design. PR: GRAP 1100.

GRAP 2235 S-C&TC Graphic Design II 3 hrs.

This studio course is a continuation of GRAP 2230. It focuses on developing competence in hand skills required for graphic design and introduces 3-dimensional design and presentation techniques. PR: GRAP 2230.

GRAP 2240 S-C&TC Photography Concepts..... 3 hrs.

This course will emphasize the use of traditional and digital photography in the profession of graphic design. Topics will include the historical evolution of photography; major related equipment, materials, principles, methods, and techniques of photography; and the application of photography in areas of visual communication, journalism, web design, and other Graphic Design fields. PR: GRAP 1150.

GRAP 2255 Internet Animation 3 hrs.

This course is an introduction to basic techniques of computer animation and presentation for multimedia and internet and interactive training applications. PR: GRAP 1125.

GRAP 2265 S-C&TC Estimating and Cost Analysis..... 3 hrs.

This course explores introductory critical thinking and analysis for the media artist including the topics of project pricing, estimating and budgeting, marketing and self-promotion. PR: GRAP 1100, 2230.

GRAP 2280 S-C&TC Internet Publishing 3 hrs.

This course is an introduction to basic web design principles, applications and related terminology. A professional web authoring tool is explored to understand the planning and layout of hypertext based content for the web. PR: GRAP 1150.

GRAP 2285 Electronic Art..... 3 hrs.

This course acquaints students with the processes of a vector drawing program on the computer. Students learn how to use the tools to create digital artwork that can be used in web design, print media and digital screen design. PR: GRAP 1150

GRAP 2289 Guided Experience II VAR 1-4 hrs.

This course will be an advanced guided experience for community college students to explore topics of interest in their field through research, field experience, presentation, computer applications, lab experience, or other project agreed upon between the student and the supervising faculty and is submitted to the dean in a written contract. Credits earned may be applied as free electives in degree or certificate programs. May be repeated for up to 4 hours. Instructor approval required.

GRAP 2290 S-C&TC Image Editing 3 hrs.

Students will learn the properties of various digital image files and their use in both internet and print applications. Using an industry standard image editing program, students will learn various image manipulation techniques. Copyright issues, ethical usage of images on the Web, and explanation of the different resolution requirements between Web and print images will also be discussed. PR: GRAP 1150

GRAP 2299 Special Topics 1-12 hrs.

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 school's dean.

GRAP 2995 S-C&TC Graphics Practicum..... 3 hrs.

This is a capstone course in which the student participates in an internship in the graphics field with a cooperating business. Capstone internships consist of a minimum of 10 hours of service per week or a total of 150 hours. Students must have completed a minimum of 45 hours of course work and the internship must be approved by the course instructor and department coordinator before registering. In addition to the hours of service, daily work logs, participation in online discussions and an 8-10 page final written report as well as an oral presentation approved by the instructor are required. PR: Instructor permission. Capstone course.

GRAP 3330 Branding and Identity Design 3 hrs.

Through lectures, demonstrations and studio work students are introduced to all aspects of Branding and Identity design from its historical precedents to its current use. Creative thinking is encouraged, along with prescribed techniques and media. Course activities include Branding and Identity Design projects. PR: OFAD 2250.

GRAP 3336 Motion Graphics..... 3 hrs.

This course introduces the fundamentals of motion graphics, including graphics and promos for television networks and film titles and logos for advertising. The focus is on design presentation and development, screen composition, graphic transitions, typography, and content. PR: GRAP 2230.

GRAP 3370 Career and Portfolio Development..... 3 hrs.

This course explores the dynamics involved in the preparation of a professional portfolio for employment or for transfer to another course of study; emphasizes revision, discussion, and analysis of student work under consideration for inclusion into the portfolio. This course includes interview preparation.

GRAP 4410 Advanced Topics in Graphics 3 hrs.

Writing Intensive

This self-paced course is an opportunity to investigate and produce a senior project in a field not included in the regular listing of graphic communications courses, or in greater depth in an area currently offered. Baccalaureate majors only. PR: ENGL 1108. Instructor approval required.

GRAP 4430 Multipage Documents and Design..... 3 hrs.

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. PR: GRAP 3330.

GRAP 4435 Interactive and Multimedia Design..... 3 hrs.

Introduction to multimedia authoring. Students will design and publish interactive content employing a variety of native file formats. PR: GRAP 3336.

GRAP 4455 Animation Studio 3 hrs.

This course familiarizes the student with the artistry, digital tools, and production process of creating an animated product. PR: GRAP 3336.

GRAP 4490 Exhibition Design and Development 3 hrs.

This course builds on the content of GRAP 4435 through project work and additional software to create communication solutions through interactive experiences, games, exhibitions, and e-learning products.

GRAP 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

HEALTH CAREERS

HLCA 1100 S-C&TC Medical Terminology 3 hrs.

This course is a study of the structure of medical words and terms. Emphasis is placed on spelling and defining commonly used prefixes, suffixes, root words, and their combining forms. Anatomy and physiology terms as they relate to the root words, combining forms, prefixes, and suffixes are stressed. Terminology and medical abbreviations relating to several allied health occupations acquaints students with an overview of the medical language. This course is offered as an online course as well as the traditional classroom.

HLCA 1170 Human Anatomy and Physiology..... 3 hrs.

A 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. Three hours lecture per week.

HLCA 1171 Human Anatomy and Physiology Laboratory 1 hr.

Complementary to HLCA 1170, 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 are also included, such as real-time examination of electrocardiograms, heart sounds, peripheral circulation, blood pressure, reflexes, electromyograms, electroencephalograms, lung volume, and breathing patterns, to supplement the material covered in HLCA 1170. Prerequisite or co-requisite: HLCA 1170.

HEALTH EDUCATION

HLTA 1100 S-FSU Personal Health 2 hrs.

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 S-FSU Introduction to Health Education..... 3 hrs.

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 of the physical, intellectual, social, emotional, spiritual, and environmental domains of health.

HLTA 1199 Special Topics in Health 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

HLTA 2202 Environmental Health..... 3 hrs.

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 and Drug Behavior Issues 3 hrs.

This course covers the identification, analysis, and evaluation of the most critical health problems confronting our society, including drug abuse and addiction. Writing Intensive.

HLTA 2210 Disease Etiology 3 hrs.

This course is designed to provide students with content knowledge about causes of disease and relationship to health. Disease types, diagnosis, methods of transmission, prevention, and treatment will be introduced. PR: HLTA 1150, FOSM 1120 or FOSM 1110.

HLTA 3310 School Health Content, Curricula & Programming 3 hrs.

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 Coordinated School Health Program implementation in the school setting. PR: HLTA 2202, HLTA 2210, and Admission to Teacher Education.

HLTA 3315 Healthy Sexuality..... 3 hrs.

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. PR: HLTA 1150, sophomore standing or instructor approval.

HLTA 3320 Behavior Change Theory 3 hrs.

Students in this course will examine theories, models, and constructs related to personal, environmental, and population-based health risk and health enhancing behaviors. PR: HLTA 2210.

HLTA 3325 Instructional Strategies and Planning in School Health 3 hrs.

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 Coordinated School Health Programming model. Emphasis is placed on the development of PreK-Adult curriculum and the design of outcomes-based, developmentally appropriate instructional units. PR: HLTA 3310.

HLTA 3330 Introduction to Epidemiology & Biostatistics 3 hrs.

This course is designed to introduce students to disease patterns in human populations. Basic statistical and data collection methods in health research will be identified. PR: HLTA 2210

HLTA 3350 Health Promotion & Program Planning.... 3 hrs.

Students will understand how health promotion enables people to maintain or improve health by: involving stakeholders, developing goals and objectives, designing strategies or interventions, creating an appropriate scope and sequence, and analyzing implementation factors. PR: HLTA 2210

HLTA 3355 Readings in Health Education 2 hrs.

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. PR: HLTA 2202, HLTA 2210, and Admission to Teacher Education

HLTA 3360 Communication Techniques for Health Promotion..... 2 hrs.

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. PR: HLTA 2210

HLTA 4400 Health Education in the Elementary School..... 3 hrs.

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. PR: EDUC 2260.

HLTA 4410 Seminar in Public Health Education..... 3 hrs.

A presentation of the historical and philosophical development of public health agencies, including governmental aspects, legal bases, organizational principles, personnel factors and public relations. Periodic field trips are included during the second half of the semester. Fall only.

HLTA 4420 Community Needs Assessment 3 hrs.

Students will assess needs, assets, and capacity for health education in a community or public health setting. PR: HLTA 3330.

HLTA 4431 Methods & Materials in School Health Instruction 3 hrs.

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. PR: HLTA 3310, HLTA 3325, and Admission to Teacher Education.

HLTA 4450 Field Practicum in Public Health..... 4 hrs.

Provides experience in field practice in public health for one semester under supervision of public health professionals. Spring only.

HLTA 4998 Undergraduate Research..... 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

HISTORY

HIST 1107 S-FSU United States History I 3 hrs.

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.

HIST 1108 S-FSU United States History II 3 hrs.

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.

HIST 2211 S-FSU World Civilizations I 3 hrs.

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.

HIST 2212 S-FSU World Civilizations II 3 hrs.

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.

HIST 2213 S-FSU World Civilizations III 3 hrs.

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.

HIST 3301 History of Intelligence and National Security 3 hrs.

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.

HIST 3302 West Virginia 3 hrs.

This course covers West Virginia history, government and geography from the first settlements to the present time. PR: History 1107, 1108.

HIST 3310 Diplomatic and Military History of the United States 3 hrs.

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. PR: History 1107, 1108.

HIST 3315 Colonial America 3 hrs.

Covers the American colonies from their beginnings to the end of the Revolutionary War. PR: History 1107.

HIST 3316 The Early Republic 3 hrs.

Covers United States history from the Revolutionary War to the close of the Mexican War. PR: History 1107.

HIST 3317 Civil War and Reconstruction 3 hrs.

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. PR: History 1107.

HIST 3318 The Gilded Age to the Great Crash 3 hrs.

A history of the U.S. from 1877 to the attack on Pearl Harbor. Major topics include the Industrial Revolution, the labor movement, the New South, the Old West and Native Americans, the spoils system, populism, progressivism, World War I and the League of Nations, the Roaring Twenties, the Great Depression, the New Deal and the diplomatic crises of the inter-war years. PR: History 1108.

HIST 3319 Recent America Since 1941 3 hrs.

Examines America's emergence as the leading world power. Topics to be explored will include World War II at home and overseas, the origins, rise and fall of the Cold War, the rise and fall of the liberal consensus, civil rights, feminism, Vietnam War and the anti-war movement and the new conservatism of the post-Nixon years. PR: History 1108.

HIST 3333 History of the American Woman 3 hrs.

An examination of women's changing roles and contributions to American society. PR: History 1107 or 1108.

HIST 3344 African-American History and Culture 3 hrs.

A survey of African-American experience in the United States, from the African cultural background and slavery through the present-day urban experience. PR: 1107 or 1108.

HIST 3351 History of England 3 hrs.

This course covers England's history from Roman rule to the present day. PR: 2211 or 2212 or 2213.

HIST 3352 History of Russia 3 hrs.

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. PR: 2211 or 2212 or 2213.

HIST 4405 History of Africa 3 hrs.

Survey of African history from prehistory to the present, with emphasis on the medieval, colonial, and modern periods. PR: 2211 or 2212 or 2213.

HIST 4410 History of Asia 3 hrs.

An intensive survey of Asian cultural developments from prehistory to the present, with special emphasis on the impact of the West on Asian nations. PR: 2211 or 2212 or 2213.

HIST 4420 History of Latin America 3 hrs.

Topics include conquest and colonial developments in South America, from Columbus to Latin America's role in contemporary perspectives. PR: 2212 or 2213.

HIST 4425 Medieval Europe 3 hrs.

This course covers formative development in intellectual, social, economic, and political history of medieval Europe, beginning with the fall of Rome. PR: 2211 or 2212.

HIST 4428 Renaissance and Reformation 3 hrs.

This course will comprehensively survey the political, economic, Military, social and cultural, artistic and architectural history of Europe, from the late 5th century through the end of the 13th century, beginning with the formation and the rise of the national monarchies of France, England, Spain and the fragmented and inchoate Holy Roman Empire and the fractious Italian city-states. Major conflicts such as the Franco/Spanish invasions of Italy, investiture conflicts between the Papacy and the French and German Monarchs, and the portentous Babylonian Captivity of the Church and the ensuing Great Schism, will be covered in detail. Medieval painting, architecture in the form of the gothic cathedral, sculpture and engraving will be integrated within the framework of each region producing such as masterworks. A major component will be the eras of the Crusades, from the first in 1095 through the fourth in 1204, and every effort will be made to relate these Christian expeditions to the current 21st century military campaigns in the Middle East, the Christian vs. the Muslim world, the clash of cultures, and the resultant failures of the West to prevail in the long run, both in the 11th, as well as in our present century. A second major component will be the Commercial Revolution of the 10th through the 14th centuries, with the emergence of the famous Hanseatic League, the rise and expansion of the Ottoman Empire and its impact on Europe, and the concomitant necessary to find an all-water route to the Far East which led to the discovery of America. PR: HIST 2211 and 2212.

HIST 4429 Age of Absolutism 3 hrs.

The Age of Absolutism will cover in depth the history of Europe from the Wars of Religion climaxing in the Peace of Augsburg (1555) through the 16th, 17th, and 18th centuries climaxing in the French Revolution. Emphasis will be on the development of Absolutism in France, Germany, Austria, and Russia, and the contrast with England, where monarchy is unable to fully develop due to the British historical tradition, the Civil War and Glorious Revolution. PR: HIST 2212.

HIST 4430 19th Century Europe 3 hrs.

19th Century Europe will treat in depth the political, economic, military, intellectual, cultural, and geographic evolution of modern Europe from the Battle of Waterloo in 1815 to the outbreak of the

Great War in 1914. Emphasis will be on the formation of national states, the significant revolutions throughout Europe in 1848, the growth of liberalism, socialism, communism, and the emergence of nationalism as ideological forces shaping the modern world. Highlights will be on the national unification movement of Germany and Italy, and the creation of European alliance systems which brought about the World War. PR: HIST 2213.

HIST 4431 Recent Europe 3 hrs.

A study of problems of readjustment in the 20th century: the League of Nations, fascism and Communism, the World Wars, the Cold War, and the European community. Spring semester only. PR: HIST 2213.

HIST 4455 Revolutions in History 3 hrs.

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. PR: 2211 or 2212 or 2213.

HIST 4475 Philosophy of History 3 hrs.

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. PR: 2211 or 2212 or 2213 or Philosophy 2200.

HIST 4498 Senior Seminar 3 hrs.

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. PR for history majors: senior standing. Fall semester only.

HIST 4499 Selected Topics 3 hrs.

Advanced study of topics specially selected by members of the history faculty according to student demand. PR: Sophomore Standing and one (1) of the following courses: HIST 1107, 1108, 2211, 2212, or 2213.

HIST 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

HONORS

HONR 1100 Honors Seminar 1 hr.

This seminar introduces students to critical thinking in a number of disciplines and initiates them into the standards required by the Honors Program.

HONR 3301 Honors Study/Travel 3 hrs.

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.

HUMAN SERVICES

HUSV 1100 S-FSU Freshman Seminar..... 3 hrs.

This course is designed to acquaint entering freshmen with various academic, economic, and social aspects of college life and to teach students the skills necessary to succeed in college. In addition, this course would focus on building genuine relationships with people on campus by providing opportunities to engage in various college activities and to work with a Freshman Seminar facilitator, peer leaders and mentors.

HUSV 1103 S-FSU Community Service Learning..... 1 hr.

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 Reads and Counts' sections do require instructor permission.

HUSV 1199 S-FSU Special Topics in Human Services 1-12 hrs.

Students in special selected topics. The topic to be studied will be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

INTERDISCIPLINARY STUDIES

INTR 1120 S-FSU Experiencing the Arts 3 hrs.

Introduction to appreciation of the arts through lectures/demonstrations by teachers in the visual arts, music and theatre. Organized thematically, the course offers an opportunity to explore relationships between various artistic media, as well as their relationships with other disciplines. The course will also consider the circumstances which have shaped these relationships and the ways in which contemporary culture conditions how we respond to and interpret art and performance today.

INTR 1150 S-FSU Women's Studies Colloquium. 1-3 hrs.

The Women's Studies Colloquium introduces students to issues and concerns surrounding women and women's studies through talks by invited experts on a broad range of topics. Repeatable for credit.

INTR 2200 S-C&TC Race, Class and Gender in Popular Culture 3 hrs.

This course examines the role and function of consumer and leisure life in the construction, interaction, and management of race, class, and gender identities within the United States. By identifying and analyzing how race, class, and gender positions inscribe and inform the values, ideas, and beliefs embodied by pop cultural productions and their consumption, students will learn to recognize and critique the politicized features that impact such everyday phenomena as TV shows, films, commercials, videogames, music videos, sports spectacles, magazine advertisements, fashion, toys, and the Internet. This course, therefore, will enable students to understand with greater clarity why we make the choices we do when acting as consumers of popular culture and how these choices reflect the race, class, and gender identities and values we knowingly or unknowingly ascribe to ourselves and others. PR: ENGL 1104 (with a grade of a "C" or better).

INTR 2201 S-FSU Introduction to Women's Studies 3 hrs.

This interdisciplinary course focuses on a variety of topics in women's studies, such as gender and science, the body, reproductive technologies, public policy and feminist theory. Class discussions will examine positions among feminist ethicists on the implications of gender definition and explore the construction of gender in our society.

INTR 2280 S-C&TC Empowering Leadership..... 3 hrs.

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. PR: ENGL 1104 (with a grade of a "C" or better).

INTR 2281 S-C&TC Great Ideas of Leaders 3 hrs.

This interdisciplinary humanities course explores some of the most significant ideas of leaders and the questions they have posed to humankind. Topics include the intersection of leadership with the heroic myth, the nature of government, justice, wealth, culture, the mind, poetics, ethics, good and evil, power and authority, concepts of nature, issues of faith and values-based leadership. PR: INTR 2280.

INTR 2995 S-C&TC Interdisciplinary Practicum 3 hrs.

This course will provide opportunities to observe and interact in appropriate work environments at specific sites in each of the core disciplines: Aviation, Criminal Justice, EMS, and Safety. Sites to be included will be chosen by the program coordinators of the various disciplines, and may vary from time to time. PR: Major in Homeland Security or Pre-Homeland Security. Required core class for the Homeland Security Degree Program. Capstone course.

INTR 4402 Seminar in Women's Studies 3 hrs.

This is a capstone course designed as an interdisciplinary overview of topics that may range from a general survey of gender theories in a variety of disciplines to a more focused interdisciplinary theoretical approach, such as postmodernism and feminism, historical explanation of gender roles in western culture and the current debate among feminist ethicists. Discussions will include the works of salient writers such as Simone de Beauvoir. PR: INTR 2210.

INTR 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

ITALIAN**ITAL 1101 Elementary Italian I 3 hrs.**

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 3 hrs.

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 2201 Intermediate Italian I 3 hrs.

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. PR: ITAL 1102.

ITAL 2202 Intermediate Italian II 3 hrs.

This course is a continuation of Italian 2201. Students actively use language and conversational skills acquired in 2201 as they examine Italian housing, environment, music, theater, art, and literature. The course will be taught in Italian. PR: ITAL 2201.

JOURNALISM**JOUR 1199 Special Topics in Journalism..... 1-3 hrs.**

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. PR: ENGL 1108.

JOUR 2245 Reporting and Multimedia News Writing 3 hrs.

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. PR: ENGL 1108.

JOUR 2275 Media Literacy 3 hrs.*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. PR: ENGL 1108.

JOUR 2280 History of American Journalism 3 hrs.*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. PR: ENGL 1108.

JOUR 3315 Multimedia Publishing 3 hrs.

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. PR: ENGL 1108.

JOUR 3330 Writing for Multimedia 3 hrs.

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.

JOUR 3335 Photojournalism and Digital Imaging 3 hrs.

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..... 3 hrs.

This is the capstone course of the journalism major and minor programs. 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. Seniors only. Instructor approval required.

JOUR 3344 Publications Practice 1-3 hrs.

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 3 hrs.

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 3 hrs.

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-word" dilemmas using legal and philosophical concepts.

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

LANG 3300 Intercultural Communication 3 hrs.

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. Also listed as COMM 3300. PR: COMM 2200 or 2201 or 2202.

LANG 3301 Theories of Language and their Application to English I..... 3 hrs.

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. Also listed as ENGL 3301. PR: ENGL 1108.

LANG 3302 Theories of Language and their Application to English II..... 3 hrs.

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. Also listed as ENGL 3302. PR: ENGL 3301.

LANG 4431 Teaching English to Speakers of Other Languages..... 3 hrs.

The study and practice in teaching the English language to non-native speakers, grades 5-Adult. Also listed as FREN 4431 and SPAN 4431. PR: FREN 2202 or SPAN 2202 or ITAL 2202 and LANG 3300 and 3302.

LANG 4432 Teaching English to Speakers of Other Languages Practicum 3 hrs.

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. PR: LANG 4431.

MANAGEMENT

MGMT 3308 Human Resource Management..... 3 hrs.

A study of the field of personnel management and industrial relations, including its background, development and modern practices. PR: BSBA 2209.

MGMT 3350 Small Business Management 3 hrs.

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. PR: BSBA 2204; BSBA 2209; BSBA 2221.

MGMT 3370 Compensation and Benefits 3 hrs.

A comprehensive exploration of all forms of employee compensation management and benefit plans, including the various types of benefits and compensation devices found in the business, labor, government and academic communities. Focus areas include pay structures, internal and external pay equity, compensation packages and designing and planning well-conceived, efficient employee benefits. PR: MGMT 3308, BSBA 3319.

MGMT 3371 Employee Relations..... 3 hrs.

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. PR: MGMT 3308, BSBA 3319.

MGMT 3372 Human Resource Selection and Evaluation..... 3 hrs.

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. PR: MGMT 3308, BSBA 3319.

MGMT 3390 Organizational Behavior 3 hrs.

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. PR: BSBA 2209, BISM 2800.

MGMT 4400 Organizational Theory and Design 3 hrs.

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. PR: BSBA 2209.

MGMT 4402 Organizational Change and Development..... 3 hrs.

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. PR: MGMT 3308, MGMT 3390.

MGMT 4405 Operations Management 3 hrs.

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. PR: BSBA 3310, BSBA 2209.

MGMT 4409 Quantitative Management..... 3 hrs.

A study of the quantitative techniques which have been incorporated into the business environment in recent years. Menu-driven software is used to find solutions to problems associated with

the more popular management science techniques. PR: BUSN 3310, BISM 2200.

MGMT 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

MANUFACTURING ENGINEERING TECHNOLOGY

MANF 1100 Materials and Processes 3 hrs.

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 1-12 hrs.

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 3 hrs.

Techniques of engineering economy as related to cost, design and selection of materials. PR: MATH 1102.

MANF 2250 Total Quality & SPC 3 hrs.

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.

MARKETING

MKTG 3305 Supply Chain Management 3 hrs.

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. PR: BSBA 2204.

MKTG 3310 Consumer Behavior 3 hrs.

A study of the activities, behaviors and processes exhibited by consumers, directly involving the selection, procurement, consumption and disposition of products and services. PR: BSBA 2204.

MKTG 3320 Advertising and Sales Promotion 3 hrs.

This is a survey course of social, psychological and some technical aspects of advertising and sales promotion for both business and journalism students. PR: BSBA 2204.

MKTG 3340 Marketing Research 3 hrs.

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. PR: BSBA 3310, BSBA 2204.

MKTG 3399 Special Topics in Marketing 1-6 hrs.

This is an advanced studies course in special select marketing topics, to be determined by the instructor and approved by the Dean. PR: 12 credit hours in Marketing.

MKTG 3400 Salesmanship and Sales Management 3 hrs.

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. PR: BSBA 2204, COMM 2202.

MKTG 3500 New Product Decisions 3 hrs.

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. PR: BSBA 2204.

MKTG 4450 Marketing Management 3 hrs.

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. PR: MKTG 3310, MKTG 3320, MKTG 3340.

MKTG 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

MATHEMATICS

MATH 0089 Algebra Skills Lab 1 hr.

This course is a lab designed to enhance students' algebra skills. Successful completion of this 1-credit lab will prepare students to enter their gateway math course in their program of study. Topics include computations with integers and fractions; word problems and their applications; linear equations and inequalities; and quadratic equations. In addition tuition, students will pay a \$55 lab fee that will cover all materials for the course. Students will need access to a computer outside of class in order to complete their individualize study plans. Students will demonstrate competency through a course exit exam.

MATH 1100 S-C&TC Intermediate Algebra 3 hrs.

This is a course in techniques for performing operations on polynomial, exponential and rational expressions and subsequently solving linear and quadratic equations and inequalities. The course will also cover equations and inequalities using absolute value and function notation. This course cannot be used as mathematics credit toward certification for teaching mathematics or for the General Studies requirement in mathematics. Students will need computer access to use the online homework system required in the class. Approximately three additional hours per week should be expected using My Labs Plus to complete online homework and tutorial programs. Students in this course may be required to attend the Tutoring Centers for additional instruction and skill-building exercises. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095.

MATH 1101 S-FSU Applied Technical Mathematics I 3 hrs.

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 right angles and oblique triangles using trigonometry. PR: MATH ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095 or MATH 0088. MAJOR RESTRICTION – MAJORS in the College of Science and Technology.

MATH 1102 S-FSU Applied Technical Mathematics II 3 hrs.

This course is a continuation of Math 1101. Topics include solving radical equations and polynomial equations, complex numbers, exponential and logarithmic functions, inequalities and trigonometry. PR: MATH 1101 with a "C" or better. MAJOR RESTRICTION – MAJORS in the College of Science and Technology.

MATH 1107 S-FSU Fundamental Concepts of Mathematics 3 hrs.

This introductory math survey course is specifically developed 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, logic, probability, statistics, and consumer mathematics. This course does not serve as a pre-requisite for any higher level mathematics course. PR: Math ACT score of 19 or MATH SAT of 460 or COMPASS score of 36 or MATH 0095 or MATH 0086.

MATH 1112 S-FSU College Algebra 3 hrs.

This course includes a review of real numbers, complex numbers, algebraic expressions, equations and inequalities of non-linear functions, functions and function operations, composition of functions, inverse functions, graphing and transformations of non-linear functions, exponents and radicals, exponential functions, logarithms, and applications. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1100.

MATH 1113 S-FSU Applied Statistics 3 hrs.

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. PR: MATH ACT score of 21 or MATH SAT of 500 or COMPASS score of 49 or MATH 1102 or MATH 1112.

MATH 1115 S-FSU Trigonometry and Elementary Functions 3 hrs.

This course includes a study of circular and trigonometric functions and applications, trigonometric identities, equations and graphs of circular functions, exponential and logarithmic functions, complex numbers, functions and inverse functions and other related topics. PR: MATH ACT score of 23 or MATH SAT of 540 or COMPASS score of 63 or a C or better in MATH 1112.

MATH 1125 FSU Math Reasoning: Reading and Writing 3 hrs.

This course includes topics to prepare students for mathematical reasoning by reading and writing using technical mathematics terminology and valid reasoning methods. In addition, it will prepare students for the rigor of mathematical proof in 2000 level math classes. Topics to be covered include the role of definitions in proofs, how to write definitions, the role of the conditional statement in a proof, proofs based on algebraic and trigonometric properties, two-column geometry proofs, and induction. PR: MATH 1115 or MATH ACT 24 or (MATH 2251 and MATH 2252). Fall Semester Only.

MATH 1170 S-FSU Introduction to Mathematical Analysis 4 hrs.

This course is designed to help those students pursuing a degree in mathematics (who have not had five years of high school mathematics) gain the experience required for courses at the calculus level and beyond. Topics include an introduction to formal logic and set theory, the principle of mathematical induction, properties of real and complex numbers with proofs, general functions and related notions, sequences and series. PR: MATH ACT score of 23, or MATH SAT 540 or COMPASS score of 63 or MATH 1115.

MATH 1185 S-FSU Applied Calculus I 4 hrs.

A study of calculus with an emphasis on its applications to science, business, technology and social science. Topics covered using the derivative consist of functions and their graphs, max/min problems, related rates, approximation of change and curvilinear motion. Topics covered using the integral consist of area, volume and accumulation functions. Graphing calculators and mathematical software will be introduced and used throughout the course. PR: MATH ACT score of 24, or MATH SAT 560 or COMPASS score of 67 or MATH 1115 or MATH 1102 with "B" or better.

MATH 1186 S-FSU Applied Calculus II 4 hrs.

A continuation of the study of calculus as applied to science, business, technology and social science. The integral will be further studied, including applications of area, volume, accumulation functions, curvilinear motion, solutions to some simple differential equations and other applications chosen from a variety of disciplines. Students will examine sequences and series involving convergence and divergence, power series and Taylor polynomials and series. The calculus of vectors and multivariable functions will be introduced and partial derivatives and multiple integrals will be used to study applied problems from a variety of disciplines. Graphing calculators and mathematical software will be used throughout this course. PR: MATH 1185. Spring semester only.

MATH 1190 Calculus I 4 hrs.

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. PR: MATH ACT score of 25, or MATH SAT 570, or COMPASS 73, or MATH 1115 or MATH 1170 or MATH 1186.

MATH 1199 Special Topics in Mathematics 1-12 hrs.

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 2200 Mathematical Logic 3 hrs.

This course covers sentential and general theory of inference, theory of proof and definition and elementary intuitive set theory. PR: MATH 1115 or MATH 1170 or MATH 1185 or MATH 1190. Spring semester only.

MATH 2206 Introduction to the Theory of Numbers 3 hrs.

Topics include prime numbers, the unique factorization theorem, congruencies, Diophantine equations, primitive roots and the quadratic reciprocity theorem. PR: MATH 1190. Spring Semester Even Years Only.

MATH 2212 Sets, Relations and Functions 3 hrs.

Topics to be studied are those related to sets, relations and functions which are common to most upper-level mathematics courses. PR: MATH 1170 or (MATH 1125 and MATH 1190). Fall semester only.

MATH 2216 Introduction to Discrete Mathematics 3 hrs.

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 and recurrence relations. Interspersed throughout the course will be material on the nature of proof and analysis of algorithms. PR: MATH 1115 or MATH 1170 or MATH 1185 or MATH 1190. Fall semester only.

MATH 2251 Structure of the Real Numbers 3 hrs.

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. PR: Math 1112

or Math ACT of 23 or Math SAT of 540 or Compass score of 63, and admission to Teacher Education.

MATH 2252 Data Analysis and Geometry 3 hrs.

This course offers an introduction to data analysis and statistics and the study of geometry. Included is descriptive statistics, standard and non-standard measurement, a formal and informal approach to geometry, van Hiele levels, and the use of dynamic geometry software. PR: Math 1112 or Math ACT of 23 or Math SAT of 540 or Compass score of 63, and admission to Teacher Education

MATH 3315 Calculus II 4 hrs.

This course is a continuation of MATH 1190. 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. Spring semester only. PR: MATH 1190.

MATH 3316 Calculus III 4 hrs.

This course is a continuation of Math 3315. Sequences and series will be followed by a study of calculus of two and three variables. Topics include vectors, dot product, cross product, lines, planes, vector functions and their derivatives and integrals, the study of quadratic surfaces, partial differentiation, gradient and double and triple integrals. PR: MATH 3315 or (MATH 1186 and MATH 1190.) Fall Semester Only.

MATH 3335 Probability and Statistics 3 hrs.

Course topics include sample spaces, events as subsets, probability axioms, finite sample spaces and equiprobable measure as special case, binomial coefficients and counting techniques applied to probability problems, conditional probability, independent events, Bayes' formula, random variable, probability functions, density and distribution functions, special distributions, independent random variables, Poisson and normal approximation to the binomial and some statistical applications. Students will also learn estimation and sampling, point and interval estimates, hypothesis-testing, power of a test and regression. PR: MATH 1113, and MATH 3316 or concurrent enrollment in MATH 3316. Spring Semester Only.

MATH 3342 Numerical Analysis 3 hrs.

In this course, students will investigate solutions of equations, functional iteration of equations, analysis of special methods such as the methods of false position and of Newton, iteration for systems of equations, reduction to first order systems, Gaussian elimination and some iterative methods for inversion. PR: COMP 1102 and CR: MATH 3316. Fall Semester Odd Years Only.

MATH 3353 Math Methods for Elementary Teachers 3 hrs.

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 tutoring, micro-teaching, and construction of a NCTM Standards-based unit. PR: Math 2251 and Math 2252 with a C or better in each. Major Restriction: Admission to Teacher Education.

MATH 3361 Abstract Algebra 3 hrs.
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, fields and quotient field. The course will also cover ideals, residue class rings, unique factorization domains, Euclidean domains, integers, polynomials over a field, division algorithm, highest common factor and unique factorization in Euclidean domain. PR: ENGL 1108, MATH 1190 and MATH 2212. Spring Semester Only.

MATH 3362 Linear Algebra 3 hrs.

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. PR/CR: MATH 3315. Fall Semester Only.

MATH 3372 Modern Geometry 3 hrs.

A brief review of informal Euclidean geometry, including areas and volumes. The course will also include a formal development of Euclidean geometry, utilizing concepts such as incidence, convexity separation, distance functions and angular measurement functions. Other geometric topics such as topology, non-Euclidean geometry, finite geometries, projective geometry and transformational geometry are briefly introduced. PR: MATH 1125 and MATH 1190. Fall Semester Even Years Only.

MATH 3375 Topology 3 hrs.

This course consists of the study of topological spaces and notions, including continuity, convergence, separation, compactness and connectedness. PR: MATH 2212 and 3316. Spring Semester Odd Years Only.

MATH 3391 Real Analysis 3 hrs.

Covers real numbers, topology of the reals, infinite series, continuous functions, sequences and series of functions, differentiation, integration and power series. PR: MATH 2212 and MATH 3316. Spring Semester Even Years Only.

MATH 4400 Seminar 1-3 hrs.

PR: Instructor approval required.

MATH 4401 Differential Equations 3 hrs.

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. PR: MATH 3315. Spring Semester Odd Years Only.

MATH 4431 Methods and Materials in Teaching Mathematics 3 hrs.

This course is designed for senior education majors with a math teaching specialization in either grades 5-Adult or 5-9. Mathematics curricula and methods at the middle and high school levels are studied. Numerous laboratory experiences such as microteaching and math tutoring are required. 5-9 and 5-Adult must complete this course prior to enrolling in Secondary Student Teaching/Clinical III. Fall Semester Only. Must be admitted to Teacher Education to take this course.

MATH 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

MECHANICAL ENGINEERING TECHNOLOGY

MECH 1100 Statics 3 hrs.

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. PR: MATH 1102, or 1115, or CR: MATH 1102.

MECH 1199 Special Topics in Mechanical Engineering Technology 1-12 hrs.

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..... 4 hrs.

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. PR: MATH 1102 and MECH 1100 with a C or better in both.

MECH 2210 Thermodynamics I 3 hrs.

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. PR: MECH 1100 with a C or better.

MECH 2220 Fluid Mechanics 3 hrs.

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. PR is one of the following: PR: MECH 2200, TECH 2290 or MATH 1185 or MATH 1190.

MECH 2240 Machine Design I..... 3 hrs.

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. PR: MECH 2200, COMP 1101 and either TECH 2290 or MATH 1185 or MATH 1190. The class will be an individualized, arranged course, with learning outcomes determined by the instructor in consultation with the student and permission of the school's dean.

MECH 3300 Thermodynamics II 3 hrs.

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. PR: MECH 2210.

MECH 3320 Dynamics 3 hrs.

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. Baccalaureate majors only. PR: MECH 1100 and TECH 3300 or MATH 1186 or MATH 3315.

MECH 3330 Heat Transfer I 3 hrs.

A study of heat energy interactions in solids, liquids, and gases. Topics include fundamental laws of conduction, convection and radiation heat transfer. Baccalaureate majors only. PR: PHYS 1102, TECH 3300 or MATH 1186 or MATH 3315.

MECH 3340 Heating, Air Conditioning and Ventilation 3 hrs.

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. PR: MECH 2220, MECH 3300, and MECH 3330.

MECH 3350 Numerical Methods..... 3 hrs.

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. PR: COMP 1101, PHYS 1101, and either TECH 2290 or MATH 1185 or MATH 1190.

MECH 4400 Mechanical Measurements 3 hrs. 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. PR: ENGL 1108, PR: MECH 3320 or CR: MECH 3320.

MECH 4410 Thermodynamics III 3 hrs.

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. PR: MECH 3300, 3330.

MECH 4430 Heat Transfer II 3 hrs.

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-state transient heat conductions, free and forced heat convection, condensing and boiling heat transfer, radiation, transfer by combined mechanisms, numerical and analog methods. PR: MECH 3330.

MECH 4440 Engineering Systems Design Laboratory 3 hrs.

A study of analog, digital and mixed engineering systems, similitude of mechanical and electrical engineering systems, dimensional analysis and theory of models. PR: MECH 3300, MECH 3320.

MECH 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

MUSEUM STUDIES

MUSM 1100 Introduction to Museums 3 hrs.

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 3 hrs.

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.

MUSM 3210 Museum Interpretation and Education 3 hrs.

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. PR: MUSM 1100.

MUSM 3220 Museum Collections Management 3 hrs.

This course will address all of the various issues regarding museum collections both those of two and three dimension (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. PR: MUSM 1100.

MUSM 3230 Exhibit Design and Construction 3 hrs.

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. PR: MUSM 1100.

MUSM 4290 Museum Practicum/Internship/Capstone .. 3 hrs.

[1 credit repeated three times for a total of 3 required credits or 3 credits taken at one time.]

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.

OPTION A: (For students completing MUSM 4290 using the 1 credit at a time option) PR: 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) PR: All other courses in the program: MUSM 1100, MUSM 2150, MUSM 3210, MUSM 3220 and MUSM 3230 with Program Coordinator/Instructor approval.

MUSIC**MUSI 1100 Introduction to Music Education..... 1 hr.**

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. Students are required to do some observation in the schools. PR: Music majors and Music Education majors only. Fall semester only.

MUSI 1101 Concerts, Recitals, and Seminars 0 hrs.

This course is designed to provide concert attendance experience and performance opportunities for music majors and minors. This course is required of all music students each semester except when student teaching. Repeatable. Consult the Department of Music Handbook for specific information.

MUSI 1102 Introduction to Keyboard I..... 1 hr.

This course in beginning piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation.

MUSI 1103 Introduction to Keyboard II..... 1 hr.

This course in early intermediate piano is designed as an elective for the student not majoring or minoring in music. It is conducted in a piano lab setting which allows both individual and group participation. PR: MUSI 1102 or instructor approval required.

MUSI 1104 Functional Piano I 1 hr.

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. Music majors only. Fall semester only.

MUSI 1105 S-FSU Functional Piano II 1 hr.

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. Spring semester only. PR: MUSI 1104. Music majors only.

MUSI 1106 Guitar Class..... 1 hr.

This is a course in beginning guitar and is open to all students. Students will be introduced to staff notation for the guitar and chord chart notation. Basic guitar playing techniques from a variety of styles will be explored. The class is conducted in group format. Students must own a guitar to participate.

MUSI 1108 Beginning Theory (on demand) 2 hrs.

This course is designed for beginning music students who need additional background in theory.

MUSI 1111 Introduction to Music Technology 3 hrs.

This course is designed for current music majors to give a basic laboratory-style overview of music technology and computer-aided instruction that can be used in the public school classroom. It is conducted in a lecture/laboratory workshop setting so that students can gain the maximum exposure to music technology in a practical setting. Topics of discussion include: The need for music technology in the classroom, Software programs for elementary general music, Programs for secondary choral music classrooms, Programs for secondary instrumental music classrooms, Miscellaneous Music Education software programs, Music Administration software, and recording technology. Required for all music majors. Elective for music minors with permission of instructor. Spring semester only. Music majors only.

MUSI 1112 Piano Ensemble 1 hr.

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. Instructor approval required.

MUSI 1113 Theory I 3 hrs.

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. This course will run concurrently with MUSI 1114, Aural Skills I. Fall semester only.

MUSI 1114 Aural Skills I 1 hr.

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, and melodic dictation. Specific emphasis is placed on proper intonation. This course uses a moveable "do" solfege system. This course will run concurrently with MUSI 1113, Theory I. Fall semester only.

MUSI 1115 Theory II 3 hrs.

This course is a continuation of MUSI 1113. Students will briefly review skills learned in MUSI 1113 and then continue their studies of tonal music with a focus on triad inversions, seventh chords, applied/secondary chords, and introduction to chromaticism in tonal analysis. Students will also compose simple pieces in the common practice style utilizing techniques learned in class. This course will run concurrently with MUSI 1116, Aural Skills II. Spring semester only. PR: MUSI 1113 and MUSI 1114 with a grade of "C" or higher.

MUSI 1116 Aural Skills II 1 hr.

This course is a continuation of MUSI 1114. Students will briefly review skills learned in MUSI 1114 and then continue to expand their skills in melodic dictation, harmonic dictation, solfege signing, and error detection. Students will also use their aural skills to criticize and react to professional music recordings. This course will run concurrently with MUSI 1115, Theory II. Spring semester only. PR: MUSI 1113 and MUSI 1114 with a grade of "C" or higher.

MUSI 1117 Rhythmic Reading (on demand)..... 1 hr.

This course is designed for all students to improve reading rhythms in music. Spring semester.

MUSI 1120 S-FSU Music Appreciation..... 3 hrs.

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.

MUSI 1139 S-FSU Voice Class 1 hr.

A study of the fundamentals of voice production: breathing, resonance, articulation, and style. Fall semester only.

MUSI 1140 Music Private Lessons..... 1 hr. (repeatable)

This is a course providing one-on-one private music lessons to the non-music major. It is an elective course which is open to all students and may be repeated. Music minors will enroll in this course. A music major may enroll in this course on a secondary instrument in addition to enrolling in MUSI 1160 for their primary instrument. One credit hour equals one half-hour private lesson per week. Students must consult with the instructor for an assigned lesson time during the first week of classes.

MUSI 1160 Applied Music I..... 2 hrs. (repeatable)

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. Music Majors and Secondary Education Music Majors only, MUSI 1167 S-FSU Collegiate Singers 1 hr.

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. Repeatable.

MUSI 1168 S-FSU Marching Band..... 2 hrs.

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. Fall semester only.

MUSI 1169 S-FSU Wind Ensemble 1 hr.

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. Repeatable. Spring semester only.

MUSI 1176 Guitar Ensemble 1 hr.

This is the chamber ensemble for music majors and minors in guitar. Repeatable. Admission is by audition at the discretion of the director.

MUSI 1199 Special Topics in Music 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

MUSI 2204 Functional Piano III..... 1 hr.

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. Fall semester only. PR: MUSI 1105.

MUSI 2205 Functional Piano IV 1 hr.

This course is required of all students majoring or minoring in music. Successful completion is required to pass the piano proficiency requirement for music education and the music minor. Piano majors and minors with a piano emphasis may substitute Keyboard Accompanying or other applied electives. Spring semester only. PR: MUSI 2204.

MUSI 2206 Music Appreciation for Majors..... 3 hrs.

A survey of the history and literature of music, designed for the music major and minor. The study of the various styles and forms of western art music, world music, and popular music will include regular use of sound and video recordings. The purpose of the course is the development of a greater depth of understanding and appreciation of music. Fall semester only. Music majors only.

MUSI 2211 String Class I-II 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of string instruments is attained through class instruction. Fall semester only.

MUSI 2213 Brass Class I-II 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of brass instruments is attained through class instruction. Fall semester only.

MUSI 2215 Woodwind Class I-II 1 hr.

This course is open to all students with sufficient background in music. A working knowledge of woodwind instruments is attained through class instruction. Spring semester only.

MUSI 2217 Percussion Class 1 hr.

Open to all students with sufficient background in music. A working knowledge of percussion instruments is attained through class instruction. Spring semester only.

MUSI 2219 Guitar Class for Music Majors..... 1 hr.

This course is in the fundamentals of playing the guitar. It designed to address the needs of the music education major. Music education majors only. Spring semester only.

MUSI 2223 Theory III 3 hrs.

This course is a continuation of MUSI 1115. Students will briefly review skills learned in MUSI 1115 and then delve into the chromatic harmonies of common practice music. Topics will include secondary function chords, Neapolitan chords, augmented sixth chords, and modulatory techniques. Students will analyze longer musical excerpts and be expected to compose pieces in the common practice style utilizing techniques learned in class. Fluency in alto and tenor clef will also be a requirement. This course will run concurrently with MUSI 2224, Aural Skills III. Fall semester only. PR: MUSI 1115 and MUSI 1116 with a grade of "C" or higher.

MUSI 2224 Aural Skills III 1 hr.

This course is a continuation of MUSI 1116. Students will briefly review skills learned in MUSI 1116 and then continue advancing their skills in solfege singing, dictation, and aural analysis. Chromaticism, including applied and borrowed chords, will be added to the expectations of students along with simple modulation. This course will run concurrently with MUSI 2223, Theory III. Fall semester only. PR: MUSI 1115 and MUSI 1116 with a grade of "C" or higher.

MUSI 2225 Theory IV 3 hrs.

This course is a continuation of MUSI 2223. Students will briefly review skills learned in MUSI 2223 and then finish their studies in chromatic harmony as exemplified by composers from the end of the Romantic era. Students will then begin to learn 20th century techniques of composition and analysis including extended tertian harmony, atonality, twelve-tone theory, pitch-class technique, exotic scales, and minimalist technique. The class will conclude with a survey of contemporary music composition practices including postmodernism, postminimalism, and neoclassicism. Students will be expected to compose short pieces in various contemporary styles to learn these techniques. This course will run concurrently with MUSI 2226, Aural Skills IV. Spring semester only. PR: MUSI 2223 and MUSI 2224 with a grade of "C" or higher.

MUSI 2226 Aural Skills IV 1 hr.

This course is a continuation of MUSI 2224. Students will briefly review skills learned in MUSI 2224 and then continue advancing their skills in solfege singing, dictation, and aural analysis. Students will sing simple octatonic, exotic scale, and atonal melodies. Students will also chant rhythms in mixed or asymmetric meters, polyrhythms, mixed beat divisions, and perform simple metric modulations. This course will run concurrently with MUSI 2225, Theory IV. Spring semester only. PR: MUSI 2223 and MUSI 2224 with a grade of "C" or higher.

MUSI 2245 Fundamentals of Conducting 2 hrs.

This course is designed to acquaint the student with standard conducting techniques, including a working knowledge of all standard beat patterns, the active gestures including legato, staccato and tenuto gestures as well as gestures of syncopation, the passive gestures, the analysis of various types of fermata and a thorough understanding of transposition. PR: MUSI 2225. Fall semester only.

MUSI 2247 S-FSU Jazz Ensemble 1 hr.

Open to saxophonists, trombonists, trumpeters, percussionists, guitarists, bassists and pianists regardless of academic major. The ensemble involves study, rehearsal, and performance of selected literature of all styles and more specifically explores a variety of big-band, jazz, jazz-rock, Latin, funk and other styles of jazz music. The jazz ensemble works with a variety of soloists from vocalists to instrumentalists. Jazz combos may be selected from the Jazz Ensemble membership. The ensemble performs a minimum of two concerts per year. Repeatable. Admission is by audition at the discretion of the director.

MUSI 2249 Advanced Woodwind Ensemble 1 hr.

Open to advanced woodwind students. Includes various Woodwind ensembles. Repeatable. Audition or admission at the discretion of the director.

MUSI 2251 Instrument Repair and Maintenance 2 hrs.

A survey of the simple instrument repair problems that are commonly encountered in a school music program. Practical repair experiences are included where appropriate. Offered on demand.

MUSI 2275 Advanced Brass Ensemble 1 hr.

Open to advanced instrumental students, this course is designed to give students an opportunity to participate in small ensembles. Groups meet on a regular weekly rehearsal schedule under faculty direction. Repeatable. Audition or admission at the discretion of the director.

MUSI 2277 S-FSU Chamber Choir 1 hr.

Open to all students. Designed to give students experience in small ensemble participation. This group performs a wide variety of a cappella music. Repeatable. Audition at beginning of each semester.

MUSI 2279 Advanced Percussion Ensemble 1 hr.

Open to advanced percussion students and students with percussion experience. Designed to give students experience in small ensemble participation: Groups meet on a regular rehearsal schedule under faculty direction. Repeatable. Audition or admission at the discretion of the director.

MUSI 3309 Orchestration 2 hrs.

A survey of the technical abilities and limitations of the instruments of the orchestra and band with an emphasis on the practical fundamentals of score preparation.

MUSI 3310 Counterpoint (on demand) 2 hrs.

A study of the style and technique involved in the writing of sixteenth century polyphonic music. PR: MUSI 2225.

MUSI 3311 Form and Analysis 2 hrs.

A study of form and the analysis of music, as found in the literature from the seventeenth to the twentieth centuries. PR: MUSI 2225 with a grade of "C" or higher.

MUSI 3312 Composition (on demand) 2 hrs.

This course is designed to teach, through the study of various types of music, a basic and accepted approach to creative composition. PR: MUSI 2225.

MUSI 3313 Music in Western Civilization to 1750 3 hrs.*Writing Intensive*

This course is a study of music history and literature from antiquity through the Baroque period. Students will develop their listening and score-reading skills through study of the compositions of these eras. Music Majors only. PR: ENGL 1108

MUSI 3314 Music in Western Civilization since 1750 3 hrs.*Writing Intensive*

This course is a study of music history and literature from the Classical period to the present. Students will develop their listening and score-reading skills through study of the compositions of these eras. Music Majors only. PR: ENGL 1108

MUSI 3320 Techniques of Keyboard Accompanying 1 hr.

A course designed to acquaint music majors with the techniques involved in playing keyboard accompaniments for performing groups, soloists and chamber music. Students will have regularly scheduled laboratory experiences in playing accompaniments for vocal and instrumental soloists and ensembles. Sight-reading, transposition, and various technical exercises will also be included. Recommended for piano majors. Offered on demand.

MUSI 3328 Elementary Music Methods and Materials for Majors 2 hrs.

An in-depth introduction to various teaching methods and materials that can be used by the elementary general music teacher. Methods introduced will include Dalcroze, Gordon, Kodaly and Orff. Materials will be derived from numerous sources and will include music from many countries and cultures. Students will practice and demonstrate basic skills in voice, recorder, autoharp, and Orff instruments, and will practice writing and teaching lesson plans at the Pre-K- 8 grade level. PR: MUSI 1139 and 2219. Fall semester only.

MUSI 3330 Music in the Elementary Classroom 3 hrs.

This course investigates fundamentals of music which can be utilized by the non-music teacher. The goal is to present pedagogical techniques that develop singing, listening, rhythm, movement, and other musical skills. The course will equip future elementary teachers with the skills to apply a variety of musical techniques in the classroom, both to teach musical content and to enhance other subject matter. Required for all Elementary Education majors. PR: Admission to Teacher Education.

MUSI 3347 Advanced Conducting..... 2 hrs.

This course is a continuation of the techniques studied in MUSI 2245, with an emphasis on refinement of the manual technique as well as basic analytical and marking techniques required for score preparation. Spring semester only. PR: MUSI 2245.

MUSI 3360 Applied Music II..... 2 hrs.

This is a repeatable junior/senior-level course providing one-on-one private music lessons to the music major. Two credit hours equal one one-hour provide lesson per week. Students must consult with the instructor for an assigned lesson time during the first week of classes. Music majors must have passed the Sophomore Evaluation in the Music program. Music Majors and Secondary Education Music Majors only.

MUSI 4425 Marching Band Techniques (on demand) 2 hrs.

This course is designed to explore the various components needed to direct a successful marching band program. Topics will include philosophies, administration, basic marching techniques, show design, accurate charting, music selection, auxiliary units, uniforms and rehearsal techniques. Fall semester only.

MUSI 4429 Instrumental Methods, Materials and Administration 2 hrs.

Students in this course will learn advanced and practical applications of instrumental conducting techniques, methods, administration and materials used in teaching instrumental music in the secondary schools. Music Majors only.

MUSI 4430 Choral Methods, Materials and Administration 2 hrs.

Advanced and practical application of choral conducting techniques, methods, administration, materials used in teaching choral music in the middle and secondary schools. Music Majors only.

MUSI 4431 Methods and Materials in Teaching Music 3 hrs.

Techniques, methods and materials used in teaching and administering general music classes and high school music classes. Music Majors only. Fall semester. PR: ENGL 1108, MUSI 3328, 4429 and 4430.

MUSI 4432 Choral Workshop (on demand) 2 hrs.

This course is designed to upgrade choral instructors' teaching techniques and administration. Includes experiences in conducting choral groups, interpretation, participating in choral rehearsals and performances and the study of problems related to choral teaching and administration.

MUSI 4433 Instrumental Workshop (on demand) 2 hrs.

Offered to help students improve their instrumental teaching techniques and administration. Includes experiences in conducting instrumental groups, interpretation, participating in instrumental rehearsals and performances and the study of problems related to instrumental teaching and administration.

MUSI 4434 Composition Workshop (on demand) 2 hrs.

Study of the composition of choral and instrumental works. Students will hear works performed by live groups.

MUSI 4435 Music Production Workshop..... 1-3 hrs.

A laboratory experience in music theater. The course culminates in a public presentation of opera or musical comedy. PR: Instructor approval required.

MUSI 4437 Area Studies in Music Literature I 1-3 hrs.

Concentrated study of selected areas of music, to be determined by the instructor. Instructor approval required.

MUSI 4440 Senior Recital..... 1 hr.

See Department of Music Handbook. All music majors are required to present a senior recital or its equivalent before the faculty jury or public.

MUSI 4442 & 4443 Theory Workshop (on demand) 2-3 hrs.

Identification of suitable materials for the teaching of theory in the high schools, as well as methodology and pedagogical procedures for theory instruction. May be repeated for additional credit, with a maximum of six hours.

MUSI 4444 Elementary Workshop (on demand) 1-2 hrs.

Identification of suitable materials for the teaching of elementary music, as well as new and innovative methodology. May be repeated for additional credit, with a maximum of four hours. PR: MUSI 3328. Instructor approval required. Offered on demand.

MUSI 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

NATIONAL SECURITY AND INTELLIGENCE

NSIS 3301 Intelligence Research 3 hrs.

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 3302 National Security and Intelligence Field Experience Practicum 1-12 hrs.

A supervised professional study conducted in the National Security and Intelligence field setting. Instructor approval required.

NSIS 4450 National Security and Intelligence Senior Seminar / Project 3 hrs.

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. Senior standing or Instructor approval required.

NSIS 4499 Special Topics in National Security and Intelligence..... 1-12 hrs.

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.

NSIS 4998 Undergraduate Research0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

NURSING**NURS 1100 Intro to Therapeutic Communication and Assessment..... 1 hr.**

This course is designed to introduce the beginning student to the fundamentals of therapeutic communication and health assessment. Technical skills necessary to patient assessment will be covered. Factors, such as developmental levels, sociocultural differences, mental and emotional status, which influence the techniques of communication and health assessment, will be explored. Emphasis will be placed on integrating appropriate communication techniques with assessment skills in various patient scenarios. (.5 hour class, 1.5 hours lab per week). PR: admission to the ASN program. PR: FOSM 1110, HLCA 1170, HLCA 1171 or may be taken concurrently. Fall semester only.

NURS 1101 Fundamentals of Nursing 6 hrs.

This course is designed to introduce the beginning student to the nursing process, its application in clinical practice, and the role of the nurse as care provider. The lecture portion presents those concepts essential to the practice of nursing. The laboratory and simulated experiences involve the implementation of nursing, assessment, and communication skills related to basic needs and life processes of individual clients (4 hours class, 6 hours lab per week.) PR: Admission to the ASN program. CR: NURS 1100. Fall semester only.

NURS 1102 Transition for Licensed Practical Nurses..... 1 hr.

This course introduces the concepts and processes necessary to nursing practice. A major focus is on the nurse's role and the transition from licensed practical nurse to registered nurse. PR: Admission to the ASN Program at Fairmont State University, and status as a Licensed Practical Nurse or a graduate of a practical nursing program.

NURS 1108 Nursing Care of Adults I..... 6 hrs.

This course is designed to assist students to gain knowledge of common health problems of adults and to use the nursing process, and the nursing roles of care provider, communicator and teacher to assist individuals to promote and attain health. Emphasis is placed on the following life processes: protective function-perioperative and oncology; fluid and electrolytes, and metabolism- diabetes and endocrine; elimination- GI; development- reproductive. The other life processes are considered as they apply throughout the course. Selected skills and simulated laboratory and primary nursing experiences will enable the student to acquire the knowledge and skills to implement effective nursing care and to meet client needs. The student is expected to integrate and use knowledge and skills acquired in prerequisite courses (4 hours class, 6 hours lab per week). PR: Admission to the ASN program. CR: BIOL 2205, PSYC 1101.

NURS 1109 Maternal & Newborn Nursing..... 3 hrs.

This course is designed to introduce the student to the physiological, psychological, and social changes related to the child-bearing process as it affects both the mother and the family unit. Emphasis is placed on the normal processes. The student

is expected to incorporate knowledge and skills that have been acquired in previous courses. The student will participate in clinical and simulated experiences to enhance his/her knowledge and skills in maternal and newborn health nursing and to practice the nursing roles of care provider, teacher and communicator. Antepartal and postpartal experiences include visits to various local clinics and offices providing women's health care and the opportunity to observe a wide range of providers, including nurse midwives, physicians, and nurse practitioners. Clinical experiences will also be in the maternity departments of several local hospitals where students will be able to observe and care for neonates, work with the new family unit, and care for women during the labor and delivery process. (2 hours class, 3 hours lab per week). PR: Admission to the ASN program. NURS 1108. Spring semester only.

NURS 1199 Special Topics in Nursing..... 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Offered as needed.

NURS 1200 Nursing Care Across the Lifespan..... 7 hrs.

This course provides LPN to ASN students the opportunity to build on prior knowledge of common health problems in patients across the lifespan. Emphasis is placed on the nursing process, patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, and safety. Content covered in this course begins with basic nursing concepts, fluid and electrolytes, the reproductive system including normal pregnancy, and immunity. Nursing care of patients with disorders of the integumentary, musculoskeletal, gastrointestinal, and renal systems is also presented including health promotion and maintenance. Selected skill and simulation labs on campus and clinical experiences in the hospital and community settings enable LPN to ASN students to build on knowledge and skills by incorporating clinical judgment in meeting patient needs. (5 hours didactic, 4 hours lab per week). PR: Admission to the LPN to ASN program, NURS 1101 (credit given with un-encumbered LPN license)and FOSM 1110.

NURS 1201 Mental Health Nursing Across the Lifespan 3 hrs.

This course provides LPN to ASN students with information that builds on prior knowledge. The focus is on common mental health problems of patients across the lifespan, with an emphasis on patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, and safety. Selected laboratory and simulated experiences enable the students to develop the knowledge and skills to use the nursing process to meet the needs of patients having mental disorders. This course stresses self-awareness, improving therapeutic communication skills, and establishing interpersonal relationships. Topics also include maladaptive behavioral patterns, current therapies, community mental health resources, and the role of nurse as communicator, teacher, and care provider. The concepts of holistic care, diversity, psychosocial environment, and human development are addressed as they apply throughout the course. (2 hours didactic, 2 hours lab per wk). PR: Admission to the LPN to ASN program, PSYC 1101, ENGL 1104.

NURS 1202 Assessment Across the Lifespan I 1hr.

This course provides LPN to ASN students with an introduction to physical assessment of the patient across the lifespan. The focus of this course is the nursing assessment of integumentary, reproductive, musculoskeletal, gastrointestinal, and renal systems. Technical skills necessary for patient assessment will be covered. Students will explore factors including sociocultural diversity, mental and emotional status, and developmental levels, which influence the techniques of communication and health assessment. Emphasis will be placed on integrating appropriate clinical judgment with assessment skills in various patient circumstances and situations. PR: Admission to the LPN to ASN program, HLCA 1170/71.

NURS 1203 Transition for the Licensed Practical Nurses1 hr.

This course introduces the concepts and processes necessary for professional nursing practice. A major focus is the transition from licensed practical nurse to registered nursing student. This course

emphasizes time management, test taking skills, the role of an adult learner, informatics, and the transition from a technical role to the role of a professional. PR: Admission to the LPN to ASN program, or ASN program, and status as a Licensed Practical Nurse.

NURS 1204 Pharmacology Across the Lifespan I..... 1 hr.

This course provides LPN to ASN students the opportunity to build on prior knowledge of the pharmacologic and pharmacokinetic effects of medications on the body. Content to be emphasized includes medications used for fluid and electrolytes imbalances, pain control, and maternal-newborn care. In addition, medications used for the reproductive, integumentary, musculoskeletal, immune, gastrointestinal, and renal systems will be presented. This course encourages LPN to ASN students to increase knowledge of medications by understanding the effects of medications on patients across the lifespan. PR: Admission to the LPN to ASN program.

NURS 2203 Mental Health Nursing 3 hrs.

This course is a study of the concepts of mental health and common problems of mental illness as they affect the individual and family. Selected laboratory and simulated experiences enable the student to develop the knowledge and skills to use the nursing process to meet the needs of hospitalized clients having a functional disorder. This course stresses self-awareness, improving therapeutic communication skills, and establishing interpersonal relationships. Topics also include maladaptive behavioral patterns, current therapies, community mental health resources, and the role of nurse as communicator, teacher, and care provider. The life processes of protective function, psychosocial environment, and developmental concepts are addressed as they apply throughout the course. (2 hours class, 3 hours lab per wk). PR: Admission to the ASN program, PSYC 1101.

NURS 2208 Nursing Care of Adults II..... 7 hrs.

This course is designed to assist students to gain knowledge of common health problems of adults and to use the nursing process in assisting individuals and families to promote and attain health. Emphasis is placed on the life process of: oxygenation- respiratory, vascular/hematologic, and cardiac; sensorimotor- musculoskeletal, neurological/eye and ear; elimination-renal. The other life processes are considered as they apply throughout the course. Selected laboratory experiences in caring for clients in the hospital, community agencies, and simulated experiences will enable the student to acquire the knowledge and skills, to implement effective client care and to meet the client's needs. The nursing role of manager of care is developed with the involvement of the student in team nursing. Leadership, delegation, and collaboration are explored by the student while assuming roles of team leader, medication nurse, and patient educator (5 hours class, 6 hours lab per wk). Admission to the ASN program. Fall semester only. PR: BIOL 2205.

NURS 2209 Nursing of Children..... 4 hrs.

This course is designed to help the student gain a better awareness of the sequence of normal growth and development during the life processes of childhood. Students will examine health problems, disorders and illnesses common to children in each stage of development, from infancy through adolescence. A family-centered approach to child care, utilizing the nursing process, is emphasized. Special consideration is given to preventive and teaching aspects of concern to the patient and family. Selected clinical and simulated experiences will include care of children in healthcare and community agencies with emphasis on the roles of care provider, communicator and educator.. (3 hours class, 3 hours lab per week.)PR: Admission to the ASN program. Spring semester only.

NURS 2211 Contemporary Nursing & Management..... 3 hrs.

This is a capstone course designed to facilitate the transition from the role of student to the role of Registered Professional Nurse. This course addresses trends, issues, and management of health care. The student is expected to select a preceptor/role model to assist with the role transition as member of a profession through precepted clinical experience. This clinical experience is tailored to the student's interest and professional goals with emphasis on socialization

into the nursing profession, management of multiple clients and application of clinical judgment skills. (2 hours class and 3 hours of clinical preceptorship per week). PR: Admission to the ASN program. Spring semester only.

NURS 2212 Advanced Nursing Care 4 hrs.

This course is designed to assist students to gain knowledge of complex and critical health problems and to use the nursing process to identify nursing interventions to promote the health of the individual and their family. Emphasis is placed on critical health problems of the life processes of: protective function, oxygenation, sensorimotor, elimination, and reproduction. Other content to be included will be emergency and disaster nursing and care of the high risk pregnant client and neonate. Selected laboratory experiences in caring for clients in acute care facilities and simulated experiences will enable the student to acquire knowledge and skill related to the theory content and to the nursing roles of care provider, communicator, educator, member of a profession, and manager of care. (3 class hours, 3 lab hours per week). PR: Admission to the ASN program. Spring semester only.

NURS 2301 Nursing Care Across the Lifespan II..... 7 hrs.

This course is a continuation of Nursing Care Across the Lifespan I and provides LPN to ASN students the opportunity to build on prior knowledge. The focus is on common health problems of patients across the lifespan, with an emphasis on the nursing process, patient-centered care, teamwork and collaboration, evidence-based practice, quality improvement, and safety. Nursing care of patients with disorders of hematologic, cardiovascular, respiratory, endocrine, and neurological systems is also presented including health promotion and maintenance. In addition, the care of the patient with cancer and/or end-of-life issues is presented. Selected laboratory experiences in caring for patients in the hospital and community, as well as high-fidelity simulations will enable the LPN to ASN student to acquire the knowledge and skills to meet the patient's needs by delegating and implementing effective patient care. (5 hours didactic, 4 hours lab per week). PR: Admission to the LPN to ASN program, NURS 1200, BIOL 2205 may be taken concurrently.

NURS 2302 Assessment Across the Lifespan II 1 hr.

This course is a continuation of Assessment Across the Lifespan I and provides LPN to ASN students with an introduction to physical assessment of the patient across the lifespan. The focus of this course is the nursing assessment of cardiovascular, respiratory, ear and eye, and neurological systems. Technical skills necessary for patient assessment will be covered. Students will explore factors including sociocultural diversity, mental and emotional statuses, and developmental levels, which influence the techniques of communication and health assessment. Emphasis will be placed on integrating appropriate clinical judgment with assessment skills in various patient circumstances and situations. PR: Admission to the LPN to ASN program, NURS 1202.

NURS 2303 Pharmacology Across the Lifespan II..... 1 hrs.

This course is a continuation of Pharmacology Across the Lifespan I and provides LPN to ASN students the opportunity to build on prior knowledge of the pharmacologic and pharmacokinetic effects of medications on the body. The content emphasizes medications used for problems with the vascular, hematologic, cardiovascular, respiratory, endocrine, and neurological systems including ear and eye. In addition, medications used for cancer and/or end-of-life care are presented. This course encourages the LPN to ASN student to increase their knowledge of medications by understanding the effects of medications on individuals across the life span. PR: Admission to the LPN to ASN program, NURS 1204.

NURS 2401 Nursing Care Across the Lifespan III 5 hrs.

This course, along with the capstone course, focuses on complex and critical health problems of patients across the lifespan. Learning experiences provide LPN to ASN students the opportunity to integrate clinical judgment and decision making. Emphasis is placed on the use of the nursing process to promote health across the wellness-illness continuum. Additional content includes emergency and disaster nursing. PR: Admission to the LPN to ASN program, NURS 2301.

NURS 2402 Role Transition, Professionalism, and Management..... 3 hrs.

This is the capstone course designed to facilitate LPN to ASN students' transition from the role of a technically prepared nurse to the role of a registered professional nurse. This course addresses trends, issues, and management of health care for patients across the lifespan. Knowledge, skills, and attitudes necessary to continuously improve the quality and safety of patients within healthcare systems are emphasized. PR: Admission to the LPN to ASN program, ENGL 1108.

NURS 2403 Capstone Clinical Experience..... 3 hrs.

This is the capstone clinical experience where LPN to ASN students are expected to select a preceptor/role model to assist with understanding the role of a registered professional nurse through a preceptor-facilitated clinical experience. The clinical experience is tailored to each student's interest and professional goals with emphasis on socialization into the nursing profession, management of multiple clients, and application of clinical judgment skills. Students will attend seminars on campus to share and reflect on clinical experiences. (90 lab hours) PR: Admission to the LPN to ASN program, NURS 2401, NURS 2402 may be taken concurrently.

NURS 2404 Pharmacology Across the Lifespan III 1 hr.

This course provides LPN to ASN students the opportunity to build on prior knowledge of the pharmacologic and pharmacokinetic effects of medications on the body. Also, this course concentrates on the advanced concepts of medication administration. Drug classifications, actions, and implications related to the administration of medications for various organ systems are expanded upon. Content emphasized includes the use of medications in critical and complex situations with patients across the lifespan. PR: Admission to the LPN to ASN program, NURS 2303.

NURS 3320 Health Assessment 4 hrs.

This course is designed to help students develop skills as providers in health/physical assessment. It includes discussion, demonstration, and the practice of assessment concepts and techniques applicable to various cultural groups and patients across the life span. Critical thinking skills are used to analyze assessment findings and apply them to patient-centered nursing care. (3 hours class, 2 hours lab per week). PR: Admission to the BSN Program or successful completion of the first year of the ASN program.

NURS 3340 Nursing Care of the Older Adult 3 hrs.

This course explores the unique health-related needs of the older adult. Community experiences give students the opportunity to practice using skills to provide safe, effective, evidence-based care to the older adult. Also explored are the needs of families and caregivers in relationship to the older adult. Special attention is given to culture, legal and ethical care, health promotion, resource management, multi-system disorders, patient-centered care, and interprofessional collaboration (2.5 class hours, 1 lab hour per week). PR: Admission to the BSN program or successful completion of the first year of the ASN program.

NURS 3350 Professional Nursing Concepts 3 hrs.*Writing Intensive*

This course is designed to introduce the concepts of professional nursing practice and the nurse generalist role. Students explore the healthcare context, health policy, and political action. The core health care competencies, as identified by the Institute of Medicine, are examined. Topics include patient-centered care, interprofessional teams, evidence-based practice, quality improvement, and informatics. The scope of the coursework covers the history, current state, and future of nursing in order to prepare registered nurses for diverse and dynamic professional roles. (3 hours class per week) PR: Admission to the BSN program and NURS 3320; NURS 3320 may be taken concurrently. Active, unencumbered nursing license required beginning with this course.

NURS 3360 Nursing Ethics..... 3 hrs.

This course explores the values, codes, principles, and professional standards that govern bioethical and ethical decisions in professional nursing practice. The course supports the student in developing

the professional role and the values of altruism, autonomy, human dignity, integrity, and social justice. The course investigates the emerging field of genomics as it relates to ethical decision-making. Case studies of ethical dilemmas are analyzed, and concepts learned are applied to nursing practice. (3 hours class per week) PR: NURS 3340 and NURS 3350; NURS 3340 and NURS 3350 may be taken concurrently.

NURS 3399 Special Topics in Nursing..... 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives.

NURS 4400 Research in Nursing Practice..... 3 hrs.

This course focuses on using research findings to provide nursing care. Students work in teams and use an evidence based model to appraise the applicability and feasibility of new findings and to solve a clinical problem. As part of that model, students must disseminate findings to outside professional agencies and to their peers. Emphasis is placed on critical thinking, team work, ethics, professionalism, patient-centered care, and life-long learning (3 class hours per week). PR: NURS 3360 and Statistics. Statistics may be taken concurrently. Accelerated Program: Instructor approval required.

NURS 4410 Community Health Nursing 5 hrs.

This course focuses on the theories and principles underlying current community health nursing practice. Students explore the reciprocal relationships among individuals, families, and populations as they relate to health promotion, maintenance, and restoration. Emphasis is placed on evidence-based practice, utilization of resources, team work, critical thinking, cultural competence, and community nursing. Community experiences allow student to practice providing patient-centered care (3 hours class, 4 hours lab per week).PR: NURS 3360 and NURS 4400. NURS 4400 may be taken concurrently. Accelerated Program: Instructor approval required.

NURS 4430 Leadership and Management in Nursing Practice 3 hrs.

In this course, students will explore the nurse generalist's roles as leaders and managers. Leadership and management theories and principles are explored and applied to a variety of health care situations. Emphasis is placed on critical thinking and decision making, team work, change theory, communication skills, conflict management, quality improvement, and resource management (3 hours class per week). PR: BSBA 2209 or MGMT 3308, and NURS 4410. MGMT 3308 or BSBA 2209 may be taken concurrently with NURS 4410. Accelerated Program: Instructor approval required.

NURS 4440 Nursing Practicum 4 hrs.*Writing Intensive*

This capstone course assists students with the integration and application of knowledge, skills, and attitudes in the professional nurse generalist role. As part of the clinical practicum, students partner with a practicing nurse leader to apply leadership and management skills, implement a change project, and engage in inter-professional collaboration. (2 hour class, 4 hours lab per week). PR: NURS 4410 and NURS 4430. NURS 4430 may be taken concurrently. Accelerated Program: Instructor approval required.

NURS 4441 School Nurse Practicum..... 4 hrs.

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 (One hour class, 6 hours lab per week). PR: Must be a registered nurse with an active, unencumbered WV license. Must be a graduate of an accredited BSN program or an FSU BSN student in the final semester. Instructor's approval required.

NURS 4499 Special Topics in Nursing..... 1-12 hrs.

This course is concerned with special studies in selected topics, to be determined by the instructor and approved by the School's dean. Credits earned will be applicable as free electives.

NURS 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHILOSOPHY**PHIL 1199 Special Topics in Philosophy 1-12 hrs.**

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 S-FSU Introduction to Philosophy..... 3 hrs.

A survey of the principal problems and theoretical responses which have come from man's attempts to organize his experience and direct his existence. The ideas of individual thinkers (Socrates, Plato, St. Augustine, Bruno, Locke, Sartre, Heidegger, et al.) and schools of interpretation (rationalist, empiricist, pragmatic) are highlighted.

PHIL 2250 S-FSU Great Philosophers..... 3 hrs.

A survey of the historical development of western philosophical thought from ancient Greece to the twentieth century. This course is a continuation of PHIL 2200, covering the issues and philosophers in more analytical detail. The focus is on developing trends of thought as exhibited by the methods of the great philosophers, and the corresponding challenges presented by their critics.

PHIL 2275 Introduction to Logic and Critical Reasoning 3 hrs.

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. No prerequisites.

PHIL 3325 Ethics 3 hrs.

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 3 hrs.

Description and analysis of the philosophical thought underlying the major religions of the world.

PHIL 4475 Philosophy of History 3 hrs.

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 4400 Seminar 3 hrs.

Research and reading for advanced students. Participants are required to write a paper on a philosophical issue of their interest.

PHIL 4499 Special Topics in Philosophy 1-12 hrs.

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. PR: at least one philosophy course or permission of the instructor.

PHIL 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICAL EDUCATION**PHED 1100 S-FSU Fitness and Wellness 2 hrs.**

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 1 hr.

This course covers the analysis, application and integration of basic physical conditioning and health concepts. The course is offered in eight-week sessions.

PHED 1102 Weight Training/Lifting..... 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of weight training/lifting are studied. The course is offered in eight-week sessions.

PHED 1110 Archery 1 hr.

The analysis and application of rules, psychomotor skills, and safety aspects of the lifetime sport of archery. This course is offered in eight-week sessions.

PHED 1111 Aerobics 1 hr.

The analysis and application of the psychomotor skills, fitness components, and safety aspects in the lifetime activity of dance aerobics are studied. This course is offered in eight week sessions.

PHED 1112 Badminton..... 1 hr.

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the individual sport of badminton. This course is offered in eight-week sessions.

PHED 1114 Bowling 1 hr.

The analysis and application of rules, strategies, psychomotor skills, and safety aspects of the individual sport of bowling. This course is offered in eight-week sessions.

PHED 1116 Casting and Angling 1 hr.

The analysis and application of the psychomotor skills and safety aspects of the individual sport of casting and angling. This course is offered in eight-week sessions.

PHED 1117 Disc Sports..... 1 hr.

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. This course is offered in eight week sessions.

PHED 1120 Basketball (Beginning)..... 1 hr.

An introduction to the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of basketball. This course is offered in eight-week sessions.

PHED 1121 Introductory Seminar in Human Movement 2 hrs.

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 1 hr.

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of volleyball. This course is offered in eight-week sessions.

PHED 1125 Table Tennis 1 hr.

The analysis and application of the rules, game strategies, psychomotor skills and safety aspects in the life time sport of table tennis are studied. This course is offered in eight week sessions.

PHED 1126 Tennis (Beginning) 1 hr.

The student will be introduced to basic skills, rules, boundaries, game situations and team play.

PHED 1130 Flag Football 1 hr.

Addresses the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of flag football. This course is offered in eight-week sessions.

PHED 1140 Golf 1 hr.

This course focuses on the analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the individual sport of golf. This course is offered in eight-week sessions.

PHED 1145 Pickle Ball 1 hr.

The analysis and application of the rules, game strategies, psychomotor skills and safety aspects in the life time sport of pickle ball are studied. This course is offered in eight week sessions.

PHED 1155 Track and Field 1 hr.

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. This course is offered in eight week sessions.

PHED 1160 Soccer 1 hr.

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of soccer. This course is offered in eight-week sessions.

PHED 1162 Softball 1 hr.

The analysis and application of the rules, boundaries, strategies, psychomotor skills and safety aspects of the team sport of softball are studied. This course is offered in eight-week sessions.

PHED 1164 Speedball 1 hr.

The analysis and application of rules, boundaries, strategies, psychomotor skills, and safety aspects of the team sport of speedball. This course is offered in eight-week sessions.

PHED 1199 Special Topics in Physical Education 1-12 hrs.

Special topics will be studied, to be determined by the instructor and approved by the School's chairman. Credits earned will be applicable as free electives in degree and certificate programs.

PHED 2200 Accident Analysis and Emergency Care 2 hrs.

An analysis of problematic areas of accident causation, prevention, emergency treatment and control pertinent to the elementary school environment and teacher responsibilities.

PHED 2201 S-FSU Introduction to Sport Management 3 hrs.

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; CR: BSBA 2209, Principles of Management. Fall, Yearly

PHED 2210 S-FSU Sport Marketing & Promotions 3 hrs.

This course investigates the complex responsibilities of the sport marketing and promotions specialist that unfold through communication exchanges intended to persuade customers toward a favorable belief and/or action. This hands-on course focuses on the interdependent operations of advertising, publicity, sponsorship, atmospherics, incentives, personal contact, community relations, licensing and technology in the sport industry. Required course; PR: BSBA 2204, Principles of Marketing. Fall, Odd Years

PHED 2211 Anatomy and Physiology 4 hrs.

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.

PHED 2216 Group Fitness Instruction/Programming... 2 hrs.

This course is designed to provide theoretical knowledge and practical skills in preparation for group fitness instruction.

PHED 2218 Advanced Personal Training 3 hrs.

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 2 hrs.

Introduction to the knowledge and skills necessary to become proficient and safe in or on the water.

PHED 2233 Advanced Aquatics-Lifeguarding 2 hrs.

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 2234 Individual and Dual Sports I 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: golf, racquetball, handball, squash and bowling.

PHED 2235 Team Sports I 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: basketball, flag football, baseball and speedball.

PHED 2236 Team Sports II 2 hrs.

The rules, boundaries, strategies and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: volleyball, field hockey, softball and soccer.

PHED 2239 Individual and Dual Sports II 2 hrs.

The rules, boundaries, strategies, and psychomotor skills characteristic of the sport forms are analyzed and applied to the following: track and field, tennis, table tennis and badminton.

PHED 2240 Outdoor Leisure Activities 2 hrs.

Safety, knowledge and skills specific to the area of outdoor leisure activities are analyzed and applied in the following sports: archery, horseshoes, hiking, backpacking, orienteering, camping and others.

PHED 2241 Gymnastics and Dance 2 hrs.

This course analyzes and applies safety, instructional strategies, and skill techniques characteristic of gymnastics and dance in basic tumbling, fundamental jazz and aerobic dance.

PHED 2242 Social Dance 2 hrs.

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 3 hrs.

This course is designed to train pre-service teachers to instruct in

the following areas: flag football, soccer, basketball, and speedball. Students are required to perform, assess, and analyze fundamental skills in each area. Knowledge of game rules, terminology, safety issues, equipment and playing strategies will enable students to design learning opportunities for different developmental levels of children and adolescents. Majors only restriction

PHED 2244 Teaching Wall-Net Sports..... 3hrs.

This course is designed to train pre-service teachers to instruct in the following areas: badminton, table tennis, tennis, pickleball, and volleyball. Students are required to perform, assess, and analyze fundamental skills in each area. Knowledge of game rules, terminology, safety issues, equipment and playing strategies will enable students to design learning opportunities for different developmental levels of children and adolescents. Majors only restriction

PHED 2246 Teaching Striking / Target Sports..... 2 hrs.

This course is designed to train pre-service teachers to instruct in the following areas: softball, golf, disc sports, and bowling. Students are required to perform, assess, and analyze fundamental skills in each area. Knowledge of game rules, terminology, safety issues, equipment and playing strategies will enable students to design learning opportunities for different developmental levels of children and adolescents. Majors only restriction

PHED 3312 Physiology of Exercise 3 hrs.

This course investigates the knowledge of basic physiological adaptations that accompany physical activity and sport. PR: PHED 2211.

PHED 3313 Biomechanics..... 3 hrs.

The study of humans in motion, including the structures that are responsible for motion and the forces that influence human motion. PR: PHED 2211. Fall only.

PHED 3316 Fitness Assessment and Exercise Physiology..... 3 hrs.

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. PR: PHED 3312 or Instructor Permission.

PHED 3317 Clinical Applications of Exercise Physiology..... 3 hrs.

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. PR: PHED 3316 or Instructor Permission.

PHED 3318 Sport Social Psychology..... 2 hrs.

Students explore topics related to the social and psychological aspects of physical activity and sport. PR: SOCY 1110, PSYC 1101.

PHED 3320 Lifespan Motor Development 3 hrs.

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. PR: PHED 1121.

PHED 3323 Teaching Elementary Physical Education..... 3 hrs.

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. Fall semester only.

PHED 3324 Performance-Based Assessment 3 hrs.

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. PR: Math 1107 or higher, PHED 3323

PHED 3325 Instructional Strategies..... 3 hrs.

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 pre-kindergarten through the high school levels in a physical education setting. PR: ENGL 1108, PHED 3323

PHED 3326 Early Psychomotor Development 3 hrs.

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 3327 Sport in Society..... 3 hrs.

Writing Intensive

This course is designed to introduce students to the interrelationship between sport and society, the influence of sport upon the individual, and an understanding of individual cognitions, emotions, behaviors and economic dynamics that effect sport participants. Required course; PR: ENGL 1108, BSBA 2200. Fall, Even Years

PHED 3342 Field Experience in Adapted Physical Education..... 2-4 hrs.

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. PR: PHED 3343.

PHED 3343 Adapted Physical Education Activities 3hrs.

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. PR EDUC 2240. Spring only.

PHED 3353 Field Experience in Sport Coaching..... 2-4 hrs.

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 2 hrs.

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 4 hrs.

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 3 hrs.

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..... 2 hrs.

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; PR: BSBA 3306, Business Law I. Spring, Odd Years

PHED 3358 Techniques of Sport Coaching..... 6 hrs.

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 3365 Activities in Outdoor Education 1-3 hrs.

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 . 1-3 hrs.

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. PR: PHED 3365.

PHED 3371 Principles of Athletic Training 3 hrs.

Students will learn basic competencies related to the controlling and managing of sport-related injuries, including presentations of prevention and treatment of these injuries. PR: PHED 2211, 3312.

PHED 3372 Field Experience in Athletic Training 2-4 hrs.

Experiences in athletic training procedures and techniques with college and secondary school athletic teams are provided. Variable credit is dependent upon the nature and duration of the internship. PR: PHED 3371.

PHED 3398 Sport Management Internship 1-12 hrs.

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 4201 Sport Finance..... 3 hrs.

Writing Intensive

This course applies fundamental accounting and finance concepts to real-world case studies in the sport industry. Students will investigate the present financial status of the sport industry, for-profit and not-for-profit budgeting, development and fundraising principles, financing principles, creating alignment within organizations, entrepreneurship, and the effects of continuity and change. Required course; PR: ENGL 1108, BSBA 2221, Introduction to Financial Management. Spring, Even Years

PHED 4400 Research Methodology 3 hrs.

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. PR: PHED 3316 or Instructor Permission.

PHED 4410 Research Design Seminar 3 hrs.

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. PR: ENGL 1108, PHED 4400.

PHED 4420 Exercise Science Internship 3 hrs.

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. PR: All pre-4400-level coursework. PR: All pre-4400 level exercise science course work or Instructor Permission.

PHED 4431 Methods and Materials in Teaching Physical Education..... 3 hrs.

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. PR: PHED 3325

PHED 4450 Advanced Sport 1 hr.

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 4499 Special Topics in Sport Management 1-9 hrs.

This course involves advanced study, mentorship and/or advanced internship experiences in a specialized area of sport management. Elective Course. Instructor approval required.

PHED 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICAL SCIENCE**PHSC 1199 Special Topics in Physical Science 1-12 hrs.**

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 2201 Exosphere 4 hrs.

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. Four hours of lecture/ discussion/activities per week. PR: BIOL 1104 with a C or better and admission to Elementary Education. Fall semester only.

PHSC 2202 Geosphere..... 4 hrs.

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. Four hours of lecture/discussion/activities per week. PR: BIOL 1104 with a C or better and admission to Elementary Education. Spring semester only.

PHSC 4412 Elementary Science Methods..... 3 hrs.

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. PR: Admission to the teacher education program and the following courses: PHSC 2201, 2202, all with a C or better.

PHSC 4430 Science Integration Seminar..... 1 hr.

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 general science coursework before enrolling in this course (e.g. PHYS 1101, GEOL 1101, CHEM 1105, and BIOL 1106). PR: Junior status and admission to Teacher Education.

PHSC 4431 Methods and Materials in Teaching Science 3 hrs.

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. PR: junior status and admission to Teacher Education. Spring semester only.

PHSC 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

PHYSICS

PLEASE NOTE:

PHYS 1105/1106 substitutes for PHYS 1101/1102 in all programs. PHYS 1105/1106 is calculus based and is a more appropriate level of study than PHYS 1101/1102 for science majors and some technology majors.

PHYS 1101 S-FSU Introduction to Physics I..... 4 hrs.

An introduction to elementary principles of mechanics, sound, and heat. A three-hour laboratory period each week supplements the three lecture-recitation periods. PR: MATH 1102 or MATH 1115 or MATH 1185 or MATH 1190 or MATH ACT 24 or MATH SAT 560 or Compass 67.

PHYS 1102 S-FSU Introduction to Physics II..... 4 hrs.

A continuation of PHYS 1101; includes a study of electricity and magnetism, light and basic atomic and nuclear physics. PR: PHYS 1101.

PHYS 1105 S-FSU Principles of Physics I..... 5 hrs.

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. A three-hour lab period supplements a four-hour weekly lecture. PR: MATH 1185 or MATH 1190 or TECH 2290 or MATH ACT 28 or MATH SAT 630 or Compass 89.

PHYS 1106 S-FSU Principles of Physics II..... 5 hrs.

Students are instructed in the elementary principles and calculus-based mathematical descriptions of electricity and magnetism, light, optics and modern physics. A three-hour lab period supplements the four-hour weekly lecture. PR: PHYS 1105.

PHYS 1199 Special Topics in Physics 1-12 hrs.

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 2 hrs.

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. PR: Program Restriction: Physics teaching specialization.

PHYS 2202 Astronomy 3 hrs.

A study of the physical properties of the solar system, stars and galaxies, including the concepts of motion, space and time. Occasional night sessions. PR: PHYS 1102 or PHYS 1106.

PHYS 3211 Intermediate Physics IA - Newtonian Mechanics..... 3 hrs.

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. PR: PHYS 1102 or 1106 and MATH 1186 or 3315 or TECH 3300.

PHYS 3212 Intermediate Physics IB - Energy Perspec. 3 hrs.

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. PR:PHYS 3211(or at the same time with instructor's permission).

PHYS 3221 Intermediate Physics IIA - Electric Interactions..... 3 hrs.

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. PR: PHYS 3212.

PHYS 3222 Intermediate Physics IIB - Electromagnetic Interactions and Semiconductor Devices 3 hrs.

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. PR:(or at the same time with instructor's permission): PHYS 3221.

PHYS 3230 Intermediate Physics Laboratory 2 hrs.

Students taking this course will systematically investigate aspects of the models and concepts of PHYS 3211-2 and 3221-2 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. PR: (or at the same time with instructor's permission): PHYS 3221.

PHYS 3310 Electricity and Electronics 4 hrs.

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. Two hours of laboratory and three hours of lecture each week. PR: PHYS 1102 or PHYS 1106.

PHYS 3325 Advanced Physics I..... 4 hrs.

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.

PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3335 Advanced Physics II..... 4 hrs.

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. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3340 Special Problems..... 2 hrs.

Individual studies of problems of special interest in the field of physics, for advanced students. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 3350 Mathematical Methods of Physics..... 3 hrs.

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. PR: (PHYS 1102 or PHYS 1106) AND (MATH 1186 or MATH 3315 or TECH 3300)

PHYS 4998 Undergraduate Research0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

POLITICAL SCIENCE

POLI 1103 S-FSU American Government..... 3 hrs.

A survey of the American political system, dealing particularly with the form and function of the federal system.

POLI 2200 S-FSU Introduction to Political Science 3 hrs.

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.

POLI 2201 S-FSU Principles of International Relations..... 3 hrs.

A study designed to acquaint the student with the theory and practice of international relations.

POLI 2203 S-FSU Comparative Government 3 hrs.

This survey course is designed to foster a broad general acquaintance with the political institutions and government practices of certain nations.

POLI 2206 Public Planning in Appalachia..... 3 hrs.

A study of federal-state relations, regional planning and development administration in West Virginia, the Appalachian Regional Commission, public program analysis and evaluation and images and realities of public planning in West Virginia.

POLI 2207 Public Budgeting and Government Finance..... 3 hrs.

This course analyzes the political, economic and social aspects of budgeting, with particular emphasis on their relationships in West Virginia state and local government.

POLI 2209 Selected Topics in Political Science..... 3 hrs.

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.

POLI 2240 Nonparametric Statistics 3 hrs.

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. (Credit in either Political Science or Sociology.) PR is one of the following, with a grade of C or better:

- (a) MATH 1100
- (b) MATH 1107
- (c) MATH 1112
- (d) MATH 1115

POLI 3300 Public Administration 3 hrs.

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 3301 Comparative Public Administration 3 hrs.

Utilizing the techniques of comparative analysis, this course explores the theory and practice of public administration in various cultures and political systems. Attention is centered on the practices of administration in American national, state and local governmental settings.

POLI 3302 State and Local Government 3 hrs.

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 3 hrs.

A study of the origins, growth and development of American political parties. PR: POLI 1103.

POLI 3304 American Constitutional Government and Law 3 hrs.

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. PR: POLI 1103.

POLI 3305 American Political Theory..... 3 hrs.

A study of the political literature which has given expression to the ideas of individual liberty enjoyed by American citizens.

POLI 3306 The American Presidency..... 3 hrs.

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. PR: POLI 1103.

POLI 3307 Congress and the Legislative Process 3 hrs.

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. PR: POLI 1103.

POLI 3308 Public Personnel Administration 3 hrs.

An examination of public personnel administration, with emphasis on such matters as the merit system, the historical development of public service, staffing, training, classification, the rights and obligations of public employees and the human-relations aspects of public management.

POLI 3310 Recent Political Theory 3 hrs.

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 3 hrs.

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 3321 US Foreign Policy..... 3 hrs.

This course explores U.S. foreign policy formulation and considers policies by areas and functions. PR: POLI 1103.

**POLI 3340 Political Science Research Methods..... 3 hrs.
*Writing Intensive***

This course is designed to introduce the student to the methods of conducting replicable research in political science. Topics include research design, literature review, measurement criteria, data gathering, analysis and validity. The course will consist of lectures and exercises in the classroom, library and computer lab. PR: ENGL 1108.

POLI 3350 International Law and Organizations..... 3 hrs.

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 Government and Politics of the Far East .. 3 hrs.

A study of political systems and developments in the countries of Communist and Nationalist China, South and North Korea and Japan, with emphasis on China. Students will consider such relevant aspects as the historical foundation, economic problems and foreign policy of the state.

POLI 3370 World Religions and Politics..... 3 hrs.

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 3393 Future Global Crises 3 hrs.

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 4404 Civil Liberties in the US 3 hrs.

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. PR: POLI 1103.

POLI 4405 Terrorism 3 hrs.

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 4406 International Problems 3 hrs.

This course covers the foreign policies of several nations and the machinery established for the peaceful adjudications of international differences.

POLI 4410 Problems in American Government 3 hrs.

A study of current problems affecting the structure and function of American national government. PR: POLI 1103.

POLI 4411, 4412, 4413 Area Studies 3 hrs.

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. PR: Instructor approval required if offered as an arranged class; no prerequisite required if class meets regularly.

POLI 4450 Practicum 1-12 hrs.

A professional internship with a government or political agency, designed to give students pertinent experience in a particular field of political science. PR: POLI 1103, Instructor approval required.

POLI 4470 Seminar in Political Science 3 hrs.

A survey of recent developments in the practice and theory of politics, with an emphasis on independent study. PR: Instructor approval required.

POLI 4499 Special Topics in Political Science 1-12 hrs.

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.

POLI 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

PSYCHOLOGY

PSYC 1101 S-FSU Introduction to Psychology..... 3 hrs.

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.

PSYC 2220 History and Systems of Psychology 3 hrs.

Traces the development of the science of psychology from its origins in philosophy, physiology and medicine to the modern era. PR: PSYC 1101.

**PSYC 2230 Social Psychology
(Same as SOCY 2230)..... 3 hrs.**

A study of how people affect and are affected by others. Topics include the socio-psychological foundations of perception, affiliation, influence, group structure and dynamics, attitude formation and change. PR: PSYC 1101.

**PSYC 2240 Statistics 3 hrs.
(Same as SOCY 2240)**

This course covers elementary statistical description and analysis, as employed particularly in the behavioral sciences. Three hours of lecture, one hour of laboratory per week. PR: MATH 1101 or higher.

PSYC 2250 S-FSU Community Psychology..... 3 hrs.

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. PR: PSYC 1101.

PSYC 2260 Industrial and Personnel Psychology..... 3 hrs.

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. PR: PSYC 1101.

PSYC 3300 Abnormal Psychology 3 hrs.

A survey of the antecedents, diagnosis, treatment and prevention of various maladjustments and personality disturbances. PR: PSYC 1101.

PSYC 3305 Research Methods..... 4 hrs.

Research methods provides an introduction to: 1) the scientific method used in the social 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 approaches to conducting research in psychology will be presented including observational, relational, and experimental. This course includes three hours of instruction and one hour of Lab. PR: PSYC 2240 or SOCY 2240.

PSYC 3310 Experimental Psychology 3 hrs.

An introduction to the procedures of experimental research, design and evaluation, using laboratory techniques. PR: PSYC 2240 or SOCY 2240.

PSYC 3320 Sensation and Perception 3 hrs.

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. PR: PSYC 1101.

PSYC 3330 Developmental Psychology..... 3 hrs.

A longitudinal study of behavior change and development through the life span of the individual, from conception through the end of life. PR: PSYC 1101.

PSYC 3340 Intervention Techniques and Applications 3 hrs.

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. PR: PSYC 1101.

PSYC 3350 Biopsychology..... 3 hrs.

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. PR: PSYC 1101.

PSYC 3360 Cognitive Psychology 3 hrs.

The study of thinking, memory, perception, cognition and verbal behavior. PR: PSYC 1101.

PSYC 3370 Theories of Learning 3 hrs.

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. PR: PSYC 1101.

PSYC 3390 Foundations of Psychology 3 hrs.

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. PR: ENGL 1108, PSYC 3305.

PSYC 3393 Future Global Crises 3 hrs.

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). PR: PSYC 1101

PSYC 3399 Special Topics in Psychology 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs. PR: PSYC 1101

PSYC 4400 Psychometrics 3 hrs.

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. PR: PSYC 2240 or SOCY 2240.

PSYC 4410 Theories of Personality 3 hrs.

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. PR: PSYC 1101.

PSYC 4460 Seminar 3-6 hrs.

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. PR: PSYC 1101. May be repeated once.

PSYC 4480 Directed Studies 1-6 hrs.

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. PR: Instructor approval required. (Six-hour limit.) PSYC 1101

PSYC 4485 Advanced Psychometrics..... 3 hrs.

This course covers personnel selection and placement, as well as a more advanced treatment of reliability and validity. Skills in these areas are developed. PR: 4400 and Instructor approval required.

PSYC 4487 Practicum I 3 hrs.

PSYC 4489 Practicum II 3 hrs.

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. PR: Instructor approval required.

PSYC 4490 Directed Research..... 1-3 hrs.

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. PR: Instructor approval required. (Six-hour limit.)

PSYC 4491 Psychopathology of Childhood and Adolescence..... 3 hrs.

Problems of etiology, diagnosis and treatment of maladjustment in childhood and adolescence. Students will analyze and discuss problems like drug addiction and juvenile delinquency.

PSYC 4493 The Psychology of Aging 3 hrs.

A study of problems facing the aging. The psychological, social and physiological aspects of aging and methods of treatment are analyzed and discussed.

PSYC 4494 Interpersonal Dynamics 3 hrs.

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. PR: PSYC 1101 and Instructor approval required.

PSYC 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

RECREATION

RECR 1141 Introduction to Recreation 3 hrs.

The historical and philosophical foundations of leisure and recreation are introduced. 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.

RECR 1142 Social Recreation 3 hrs.

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 3 hrs.

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 2 hrs.

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 2 hrs.

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 2 hrs.

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. PR: RECR 1143.

RECR 1154 Recreation Field Work I 2 hrs.

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 2 hrs.

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 2 hrs.

This course provides an introduction to various adventure water activities including canoeing, kayaking and white water rafting. Students will learn about 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 the New River and Gauley River. PR: PHED 2232 or 2233 or 3381.

RECR 1178 Scuba Diving “Open Water Certification” 2 hrs.

This course will cover all necessary requirements to obtain the open water certification. PR: PHED 2232 or 2233 or 3381.

RECR 1188 Introduction to Adventure Winter Sports 2 hrs.

This course provides an introduction to various adventure winter activities including: Cross country Skiing/ Snow Shoeing/ Downhill Skiing/ Snowboarding/ Spelunking. Students will be introduced to these activities through experiential learning in and around campus and trips to White Grass Resort, Wisp, Canaan Valley, Snowshoe, and Timberline resort.

RECR 1199 Special Topics in Recreation 1-12 hrs.

Special selected topics will be studied, to be determined by the instructor and approved by the School’s chairman. Credits earned will be applicable as free electives in degree and certificate programs.

RECR 2220 Program Planning and Organization 3 hrs.

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. PR: RECR 1141.

RECR 2250 Select Topics in Certification 2 hrs.

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 3 hrs.

This course provides administrative experience in directing and supervising institutional physical recreational programs. The course will be offered both semesters on an arranged basis. (The course cannot replace or be used in the fulfillment of other program requirements.) Junior standing.

RECR 3301 Day Camp Administration 3 hrs.

In this course, students will gain administrative experiences in directing and supervising summer day camp programs (Falcon Camp). This course will be offered on an arranged basis during the first and second summer sessions only. Junior standing.

RECR 3330 Group Leadership 3 hrs.

This course presents information on group dynamics, leadership styles, activity facilitation, risk management, liability issues, and trip 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. PR: RECR 1141.

RECR 3340 Internship/Camp Administration 3 hrs.

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 150 hours of documented work experience from their supervisor. Junior standing. PR: RECR 1151 and 3330.

SAFETY

SFTY 1100 Safety and Environmental Components of Industry 3 hrs.

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..... 3 hrs.

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. PR: SFTY 1100, MATH 1101.

SFTY 2210 S-FSU Disaster Preparedness and Emergency Systems 3 hrs.

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 3 hrs.

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. (OSHA 10-hour card is attainable upon completion of this class.) PR: SFTY 1100.

SFTY 2280 Construction Safety & Law 3 hrs.

This course covers federal construction regulations and the case law surrounding the construction industry. (OSHA 10-hour card is attainable upon completion.) PR: SFTY 2250, MATH 1102.

SFTY 2290 S-FSU Industrial Hygiene and Toxicology..... 4 hrs.

This course covers the methods for anticipating, recognizing, evaluating and controlling exposures in the workplace while exploring the toxicological effects of contaminants on workforces. PR: SFTY 1150, CHEM 1102, SFTY 2250.

SFTY 2291 Environmental Engineering Technology: Hazardous Waste 4 hrs.

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. PR: CHEM 1102, PR or CR: SFTY 2250.

SFTY 3300 Industrial Hygiene Applications and Practices 4 hrs.

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 Course requirement for General Studies. PR: ENGL 1108, SFTY 2290.

SFTY 3310 Ergonomics & Human Factors..... 3 hrs.

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. PR: SFTY 1100, CHEM 1102, MATH 1102, HLCA 1170 and HLCA 1171.

SFTY 3355 Air & Water Pollution 3 hrs.

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. PR: SFTY 2291.

SFTY 3360 S-FSU Fire Prevention 3 hrs.

An examination of fire prevention, detection and suppression. The NFPA Lifesafety Code will be addressed, as well as basic water supply and hydraulics, including distribution systems. PR: SFTY 1100, CHEM 1102.

SFTY 4400 Safety Engineering Design 3 hrs.

This course covers design engineering and engineering countermeasures needed to minimize losses incurred by man and the environment. PR: SFTY 2250, PHYS 1102.

SFTY 4415 Safety Internship 3 hrs.

Students shall complete an advisor-approved safety internship. Responsibilities must be in the field of employee safety and/or health. PR: SFTY 2290 and instructor approval required.

SFTY 4420 System Safety and Management..... 3 hrs.

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. PR: SFTY 4400, MATH 1113.

SFTY 4480 Application of Safety Strategies..... 4hrs.

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. PR: SFTY SFTY 4420.

SFTY 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

SCIENCE

SCIE 1100 Human Biology 4 hrs.

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. This course includes 3 hours of lecture and 2 hours of lab per week.

SCIE 1103 Science That Matters..... 4 hrs.

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..... 4 hrs.

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..... 4 hrs.

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 1110 S-FSU Chemistry of Life 4 hrs.

An introduction to scientific principles, designed to provide an understanding of the chemistry of biological systems. The intent of this course is to foster an appreciation for the chemical nature of life as it relates to health, diagnostics and the treatment of human diseases. It will consist of one two-hour class period and one two-hour activity period per week. PR: Math ACT score of 19 or higher, SAT 460, COMPASS 36, or MATH 0095.

SCIE 1115 Earth and Sky..... 4 hrs.

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 4 hrs.

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 1199 Special Topics in Science 1-4 hrs.

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..... 4 hrs.

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 4 hrs.

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 4 hrs.

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.

SOCIAL SCIENCE

SSCI 1199 Special Topics in Social Science..... 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits earned will be applicable as free electives in degree and certificate programs.

SSCI 4431 Methods and Materials of Teaching Social Studies 3 hrs.

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. Fall semester only. PR: Successful completion of PPST PRAXIS Test.

SSCI 4498 Interdisciplinary Seminar 3 hrs.

Identification and synthesis of major concepts in the fields of geography, history, political science, psychology, sociology and economics. No prerequisites for History Majors. PR: Instructor approval required. Fall semester only.

SSCI 4998 Undergraduate Research 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

SOCIOLOGY

SOCL 1110 S-FSU Introductory Sociology..... 3 hrs.

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.

SOCL 1111 S-FSU Introduction to Anthropology ..3 hrs.

This course is a survey of anthropology, covering both pre-historic and traditional peoples and cultures.

SOCY 1199 Special Topics in Sociology..... 1-12 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's chairperson. Credits will be applicable as sociology major and minor electives, or as free electives in other degree and certificate programs.

SOCY 2200 S-FSU Social Problems 3 hrs.

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..... 3 hrs.

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 3 hrs.

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. PR: SOCY 1110.

SOCY 2230 Social Psychology..... 3 hrs.

A study of how people affect and are affected by others. Topics include the socio-psychological foundations of perception, affiliation, influence, group structure and dynamics, attitude formation and change. PR: SOCY 1110 or PSYC 1101. Same course as PSYC 2230.

SOCY 2240 Behavioral Statistics 3 hrs.

This course covers elementary statistical description and analysis, as employed particularly in the behavioral sciences. PR: MATH 1107 or higher. Same course as PSYC 2240 Behavioral Statistics. Credit may be received for either SOCY 2240 or PSYC 2240, but not both.

SOCY 3301 Cultural Anthropology..... 3 hrs.

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. PR: SOCY 1110 or SOCY 1111.

SOCY 3310 Sociology of the Family..... 3 hrs.

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. PR: SOCY 1110.

SOCY 3325 Stratification and Class 3 hrs.

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. PR: SOCY 1110 and SOCY 2205.

SOCY 3340 Juvenile Delinquency 3 hrs.

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. PR: SOCY 2200.

SOCY 3360 Methods of Social Research..... 3 hrs.

Introduction to the principle research methods used in sociology, including survey research, interviewing, content analysis, experiments, ethnographies, focus groups, historical analysis,

and analysis of secondary data. Instruction on sampling and the principles of validity and reliability underlying quantitative and qualitative methods. PR: SOCY 2240 OR PSYC 2240.

SOCY 3370 Concepts of Survey Design 3 hrs.

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. PR: SOCY 2240 OR PSYC 2240.

SOCY 3390 Social Change 3 hrs.

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. PR: SOCY 2220.

SOCY 3395 Sociological Theory 3 hrs.*Writing Intensive*

A study of the historical development of modern sociological thought. PR: ENGL 1108 and SOCY 1110. Junior or senior standing.

SOCY 4410 Sociology of Work..... 3 hrs.

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. PR: SOCY 1110.

SOCY 4450 Race and Ethnicity..... 3 hrs.

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. PR: SOCY 1110 and SOCY 2205.

SOCY 4461 Advanced Methodology 3 hrs.

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. PR: SOCY 3360 or Instructor approval required.

SOCY 4471 Advanced Sociological Theory: A Critical Review 3 hrs.

A comparison, contrast and critical examination of certain selected sociological theorists. PR: SOCY 3395 or Instructor approval required.

SOCY 4480 Senior Capstone 3hrs.

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. PR: SOCY 3370 Concepts of Survey Design and SOCY 3395 Sociological Theory.

SOCY 4490 Seminar: Sociological Literature..... 1-12 hrs.

A course focusing on original sources and publications not primarily used as texts. PR: SOCY 3395 or Instructor approval required.

SOCY 4497 Seminar: Special Problems in Sociology1-12 hrs.

Open only to juniors and seniors majoring in Sociology. Reading and research on subjects suited to the student's needs. PR: SOCY 3395 or Instructor approval required.

SOCY 4998 Undergraduate Research0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

SPANISH**SPAN 1101 S-FSU Elementary Spanish I**..... 3 hrs.

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 S-FSU Elementary Spanish II..... 3 hrs.

A continuation of Spanish 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. PR: SPAN 1101 or equivalent.

SPAN 1199 Special Topics..... 3 hrs.

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 Language Through Video..... 3 hrs.

A video-based course designed to maximize the student's exposure to the target language. Students independently watch *Destinos* and are tested on their comprehension of the material. PR: SPAN 1102.

SPAN 2201 S-FSU Intermediate Spanish I..... 3 hrs.

Students integrate the grammar studied with the skills acquired in Spanish 1101 and 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. PR: SPAN 1102.

SPAN 2202 S-FSU Intermediate Spanish II..... 3 hrs.

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. PR: SPAN 2201.

SPAN 2250 Spanish For the Medical Professions..... 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of medical terminology in Spanish. PR: SPAN 1102. Offered on demand.

SPAN 2251 Spanish for Criminal Justice..... 3 hrs.

This course enables the student to effectively manage the fundamentals of law enforcement terminology in Spanish. PR: SPAN 1102.

SPAN 2252 Spanish for a World Economy 3 hrs.

This course is designed to enable the student to effectively manage the fundamentals of business terminology in Spanish. PR: SPAN 1102.

SPAN 3300 Undergraduate Student Exchange..... 3-6 hrs.

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. PR: SPAN 1102.

SPAN 3301 Spanish Composition and Conversation I 3 hrs.*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. PR: SPAN 2202.

SPAN 3302 Spanish Composition and Conversation II..... 3 hrs.

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 3301 before 3302. PR: SPAN 2202.

SPAN 3310 Spanish Civilization and Culture 3 hrs.

The students will study the history, civilization, and culture of Spain through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302.

SPAN 3320 Latin American Civilization and Culture 3 hrs.

The students will study the history, civilization, and culture of Latin America through extensive reading, videos, writing and class discussion. PR: SPAN 3301 or 3302.

SPAN 3350 History of the Spanish Language 3 hrs.

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. PR: SPAN 3301 or 3302.

SPAN 4400 Survey of Latin American Literature..... 3 hrs.

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. PR: SPAN 3301 or 3302.

SPAN 4401 Survey of Peninsular Literature..... 3 hrs.

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. PR: SPAN 3301 or 3302.

SPAN 4402 Independent Study.....3-6 hrs.

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. PR: SPAN 4400 or 4401, and Instructor approval required.

SPAN 4418 U.S. Hispanic Cultures & Literature 3 hrs.

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. PR: SPAN 3310 or 3320.

SPAN 4431 Methods: Second Language Acquisition in the Classroom..... 3 hrs.

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. PR: SPAN 4400 or 4401, and Instructor approval required.

SPAN 4998 Undergraduate Research0-6 hrs.

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. Sophomore-Senior Level. Repeatable. Instructor approval required.

TECHNOLOGY

TECH 1100 Technology and Society 3 hrs.

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 S-FSU Introduction to Technology..... 3 hrs.

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 3 hrs.

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 3 hrs.

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..... 3 hrs.

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..... 3 hrs.

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. CR: TECH 1104.

TECH 1199 Special Topics 1-12 hrs.

A study of special topics of educational, technical, or industrial concern. PR: Instructor approval required.

TECH 2202 Transportation I 4 hrs.

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. PR: TECH 1104.

TECH 2203 Manufacturing I 4 hrs.

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. PR: MANF 1100, TECH 1104.

TECH 2204 Construction I 4 hrs.

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. PR: TECH 1104, MANF 1100.

TECH 2208 Engineering Graphics II..... 3 hrs.

This course is a continuation of 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. PR: TECH 1108

TECH 2250 History of Technology 3 hrs.

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..... 4 hrs.

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. PR: Sophomore standing. MATH 1102 with a grade of C or better or MATH ACT 25.

TECH 2299 Special Topics..... 1-12 hrs.

A study of special topics of educational, technical, or industrial concern. PR: Instructor approval required.

TECH 3300 Engineering Analysis II..... 4 hrs.

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. PR: TECH 2290 or MATH 1185, or MATH 1190 with a grade of C or better.

TECH 3301 Communication..... 4 hrs.

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. PR: INFO 1100, TECH 1104.

TECH 3302 Manufacturing II..... 4 hrs.

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. PR: TECH 2203.

TECH 3303 Transportation II..... 4 hrs.

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. PR: TECH 2202.

TECH 3304 Construction II..... 4 hrs.

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. PR: TECH 2204.

TECH 3310 Man and Technology..... 3 hrs.

A historical study of humans and technology as a basis for the development of contemporary philosophical systems. PR: Junior standing.

TECH 3331 Organization and Administration of Technology Education..... 4 hrs.

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. PR: TECH 3303 and 3304.

TECH 3393 Future Global Crises..... 3 hrs.

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) PR: Junior standing.

TECH 3399 Special Topics..... 1-3 hrs.

A study of special topics of educational, technical or industrial concern. PR: Instructor approval required.

TECH 4400 Work Experience Seminar..... 4 hrs.

A functional analysis of industrial organization and management, and the implementation of these concepts toward the initiation of a new industry. PR: Sophomore standing as a Technology major or Instructor approval required.

TECH 4401 Work Experience Laboratory..... 8 hrs.

Professional work experience, including employer evaluation. PR: Instructor approval required.

TECH 4431 Methods and Materials for Teaching Technology Education..... 3 hrs.

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. PR: TECH 3301 and 3331.

TECH 4499 Special Topics..... 1-3 hrs.

A study of special topics of educational, technical, or industrial concern. PR: Instructor approval required.

TECH 4998 Undergraduate Research..... 0-6 hrs.

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. Sophomore-Senior Level, Repeatable. Instructor approval required.

THEATRE**THEA 1110 Introduction to Theatre..... 3 hrs.**

This course provides an overview of the purposes and organization of the theatre and allied areas and the functions of all of the jobs related to a theatrical presentation. Students will examine performer, director, designer, technician, dramaturgy, and "front-of-house" operations and the theatre as a profession, and will learn about professional organizations and securing employment. Fall semester only.

THEA 1114 Body Training and Stage Movement..... 3 hrs.

The actor explores the movement of the body as it applies to space, line, focus, effort, strength, communication, connection and emotional release. Open to theatre arts majors and minors only. Spring semester only.

THEA 1120 Theatre Appreciation..... 3 hrs.

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 category VIIA.

THEA 1140 Theatrical Production..... 2 hrs.

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 1 hr.

Students in this course are assigned to Masquers productions and studio theatre 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. (Juniors and seniors, see THEA 3348).

THEA 1151 Text Analysis 3 hrs.

This course provides a basic introduction to the processes, techniques and applications of text analysis as they relate to the activities and responsibilities of theatre artists - acting, directing, designing, etc. Spring semester only.

THEA 1160 Technical Theatre Practicum: Costuming I.. 1 hr.

Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores.

(Juniors and seniors, see THEA 3360). PR: Instructor approval.

THEA 1162 Technical Theatre Practicum: Lighting I..... 1 hr.

Practical experience in varied aspects of lighting through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores. (Junior and seniors, see THEA 3362). PR: Instructor approval.

THEA 1164 Technical Theatre Practicum: Properties I... 1 hr.

Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores. (Juniors and seniors. See THEA 3364). PR: Instructor approval.

THEA 1166 Technical Theatre Practicum: Scenic I..... 1 hr.

Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores. (Juniors and seniors, see THEA 3366). PR: Instructor approval.

THEA 1168 Technical Theatre Practicum: Sound I 1 hr.

Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores. (Juniors and seniors, see THEA 3368). PR: Instructor approval.

THEA 1199 Special Topics in Theatre..... 1-3 hrs.

Studies in special selected topics, to be determined by the instructor and approved by the School's Dean. Credits earned will be applicable as free electives in degree and certificate programs. Maximum credit allowed is 3 hours per semester, up to 12 hours total.

THEA 2212 Theatrical Makeup 1 hr.

Fundamentals of the theory and technique of designing and applying theatrical makeup. A basic makeup kit is required. Fall semester only.

THEA 2220 Oral Interpretation..... 3 hrs.

This course provides an introduction to the study and practice of the principles involved in understanding the meaning of prose, poetry and dramatic literature, and the effective transmission of that meaning to an audience. Spring semester only.

THEA 2228 Oral Interpretation Practicum I 1-4 hrs.

Preparation for and participation in public performances,

intercollegiate competitions and festivals in oral interpretation. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to freshmen and sophomores. (Juniors and seniors, see THEA 4428.) PR: THEA 2220.

THEA 2230 Acting 3 hrs.

This course is an introduction to the theory and practice of fundamental acting techniques for the stage. PR: THEA 1151 and instructor approval. Fall semester only.

THEA 2238 Acting Workshop I..... 1 hr.

Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowed is 2 hours per semester, up to 4 hours total. Open to freshmen and sophomores. (Juniors and seniors see THEA 4432.)

THEA 2244 Introduction to Theatrical Design..... 3 hrs.

An introduction to the principles of theatrical design, including scenic, lighting and costume design. Spring semester only. PR: THEA 1140 and 1151.

THEA 2251 Playwriting..... 3 hrs.

The course explores the theory and practice of the playwright's art, and involves instruction in the craft of playwriting and the creation of original scripts for the theatre. Students will learn how to write for the stage, as opposed to the page. A fully developed short play will be required. PR: THEA 1151 and 2230. Fall semester, odd numbered years.

THEA 2262 Production Practicum I..... 1 hr.

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 hourper semester, up to 4 hours total. Open to freshmen and sophomores. PR: THEA 1148.

THEA 3314 Advanced Theatrical Makeup..... 1 hr.

Practice in advanced design and application of theatre makeup, including prosthetics.PR: THEA 2212. Spring semester, odd numbered years.

THEA 3320 The Art of Storytelling in Theory and Practice 3 hrs.

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. Also listed as FOLK 3320 and COMM 3320. Fall semester, odd-numbered years.

THEA 3326 Performance Studies 3 hrs.

The course explores the theories and practices of approaching performance as a way of knowing. Through theatre exercises and personal discovery, students research, create and perform a solo piece for the stage. PR: THEA 2230. Fall semester, odd-numbered years.

THEA 3330 Advanced Acting 3 hrs.

This course is a continuation of THEA 2230, with specific emphasis on the exploration and application of twentieth-century acting theories applied to both realistic and non-realistic plays. PR: THEA 2230. Spring semester, odd-numbered years.

THEA 3336 Directing 3 hrs.

Principles and techniques of play directing with specific emphasis on play selection and analysis, casting, and staging. PR: THEA 1140, 1151, and 2230. Spring semester only.

THEA 3340 Theatre History I..... 3 hrs.**Writing Intensive**

A study of the development of theatre from its beginnings through the eighteenth century. PR: ENGL 1108 and THEA 1110. Fall semester, even-numbered. .

THEA 3341 Theatre History II..... 3 hrs.
Writing Intensive

This course is a continuation of THEA 3340, exploring the development of theatre from the nineteenth century to the present. PR: ENGL 1108 and THEA 1110. Spring semester, odd-numbered years.

THEA 3344 Advanced Theatrical Design..... 3 hrs.

This course will involve completed projects in scenic, lighting and costume design. Students will apply theory and introductory techniques and skills presented in the beginning course. PR: THEA 2244. Fall semester, odd-numbered years.

THEA 3346 Creative Puppetry..... 3 hrs.

The course explores the theories and practices of puppetry as an artistic performance and as an educational tool. Projects in this course will include puppet design, construction and performance. Emphasis will be placed on teaching the National Standards in Theatre as well as on ways to use puppets across the curriculum. Fall semester, odd-numbered years.

THEA 3348 Theatre Workshop II 1 hr.

Students in this course are assigned to Masquers mainstage and studio theatre productions. Opportunities are provided for experience in all areas of technical work, 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. Open to juniors and seniors. (Freshmen and sophomores see THEA 1148.)

THEA 3350 Children's Drama..... 3 hrs.
Writing Intensive

A course providing an introduction to the theories and techniques involved in both creative drama for children and children's theatre. Spring semester, even-numbered years. PR: ENGL 1108.

THEA 3352 Creative Drama..... 3 hrs.

The course explores the history, theories and practices of playmaking, storytelling, creative drama and theatre-in-education as they are used in educational settings with diverse populations. Projects in this course will also apply drama techniques across the school curriculum. Fall semester, even-numbered years. Satisfies General Studies category VIIA requirement.

THEA 3354 Theatre Education Practicum 1 hr.

This course involves the application of theories and techniques of children's theatre, creative dramatics and puppetry under supervision with diverse populations in educational settings. PR: THEA 3346, 3350 and 3352.

THEA 3356 Summer Theatre: Rehearsal and Performance 1-3 hrs.

Systematic rehearsal and public performance with Town & Gown Summer Theatre. Designed for students who desire concentrated stage training and experience. Roles are dependent upon directors' selection and hours of credit desired. PR: Auditions.

THEA 3358 Summer Theatre: Production and Management 1-3 hrs.

Experience provided in every phase of theatrical production and some phases of theatre management, in conjunction with Town & Gown Summer Theatre. Experiences include set construction, lighting, costumes, makeup, box office, house management and publicity. Assignments dependent upon hours of credit desired. PR: Instructor approval.

THEA 3360 Technical Theatre Practicum: Costuming II. 1 hr.

Practical experience in varied aspects of costuming through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1160). PR: Instructor approval.

THEA 3362 Technical Theatre Practicum: Lighting II..... 1 hr.

Practical experience in varied aspects of lighting through work

on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1162). PR: Instructor approval.

THEA 3364 Technical Theatre Practicum: Properties II.. 1 hr.

Practical experience in varied aspects of properties through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1161). PR: Instructor approval.

THEA 3366 Technical Theatre Practicum: Scenic II..... 1 hr.

Practical experience in varied aspects of scenic work through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1166). PR: Instructor approval.

THEA 3368 Technical Theatre Practicum: Sound II 1 hr.

Practical experience in varied aspects of sound through work on Masquers productions or other staged events. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 1168). PR: Instructor approval.

THEA 3375 Development of Dramatic Art..... 3 hrs.
Writing Intensive

Study of the works of major playwrights and critical theorists of Western and non-Western theatre. PR: ENGL 1108. Fall semester, even-numbered years. Satisfies General Studies category VIII requirement.

THEA 3392 Costume History and Design 3 hrs.

History of wearing apparel and appointment, with emphasis on the Western world. The course begins with the Egyptians and goes up to the present day, and offers an introduction to the principles of costume design. PR: THEA 2244. Fall semester, odd-numbered years.

THEA 4428 Oral Interpretation Practicum II 1-4 hrs.

Preparation for and participation in public performances, intercollegiate competitions and festivals in oral interpretation. Maximum credit allowed is 1 hour per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 2228). PR: THEA 2200.

THEA 4432 Acting Workshop II..... 1 hr.

Credit is earned for public performance in faculty-directed Masquers productions. Maximum credit allowed is 2 hours per semester, up to 4 hours total. Open to juniors and seniors. (Freshmen and sophomores, see THEA 2238).

THEA 4438 Senior Comprehensive Project..... 3 hrs.

The course consists of a capstone experience that assesses student understanding of the theories and practices studied and developed throughout the program. A significant production/research project is designed and executed with the guidance of a faculty mentor. Senior standing. Open to theatre arts majors only.

THEA 4462 Production Practicum II..... 1 hr.

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. Open to juniors and seniors. (Freshmen and sophomores, see THEA 2262). PR: THEA 1148.

THEA 4480 Theatre Business Management and Promotion..... 3 hrs.

Study of theatre management procedures, including responsibilities and practices in business management, box office management and house management and the study of the responsibilities and practices in theatre promotion, including the use of the media. Spring semester, even-numbered years.

THEA 4484 Theatre Business Management Practicum..1 hr.

Practical experience in varied aspects of business management, including box office assignments through work with Masquers productions. PR: Instructor approval.

THEA 4488 Promotion Practicum1 hr.

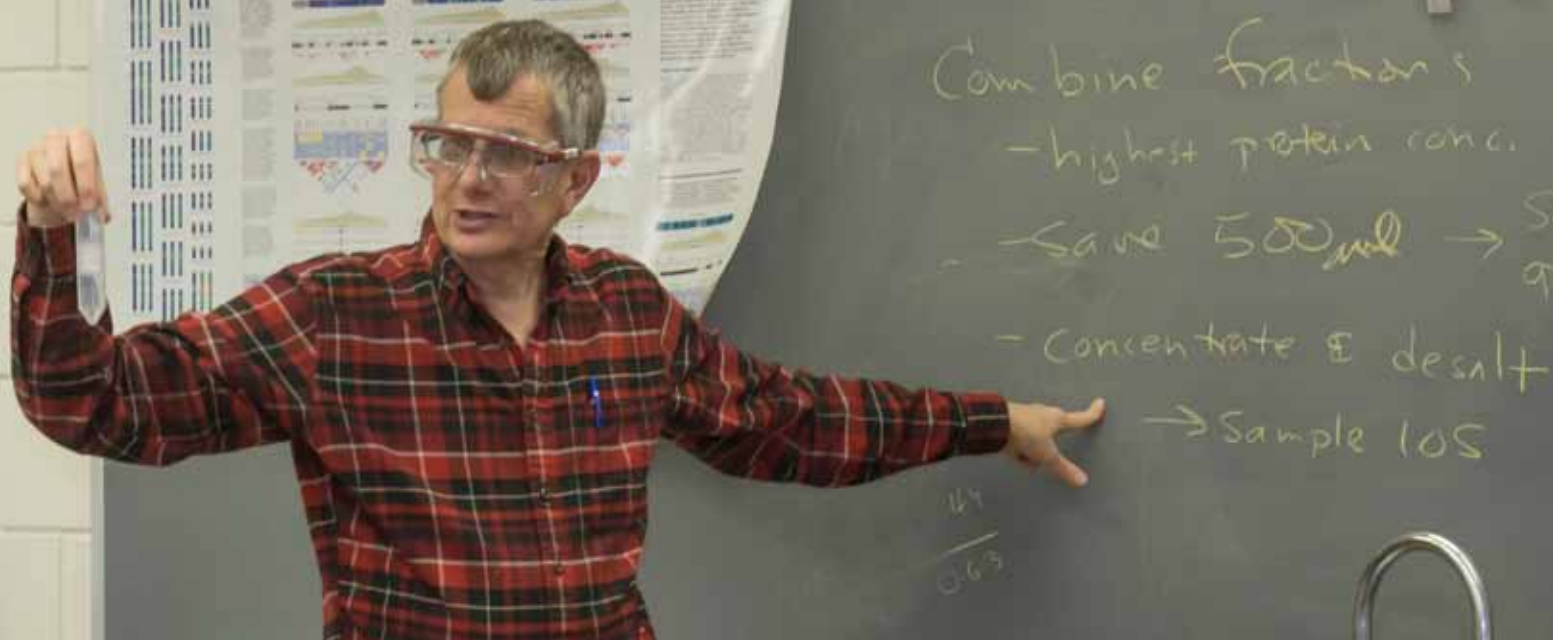
Practical experience in varied aspects of theatrical promotion through work on Masquers productions. PR: Instructor approval.

THEA 4490 Directed Study in Theatre..... 1-3 hrs.

The student selects directed study in any area of theatre which is not treated in the theatre course offerings. Course designed by student and selected faculty, with approval of the School's Dean. Maximum credit allowed is 3 hours per semester, up to 12 hours total. PR: Instructor approval.

THEA 4998 Undergraduate Research0-6 hrs.

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 an appropriate venue. Maximum credit allowed is 3 hours per semester, up to 9 hours total. PR: Sophomore standing and above, instructor approval.



Faculty

ABBOTT, AMANDA (2010)

Temporary Assistant Professor of Nursing
A.S.N., B.S.N. Fairmont State University
M.S.N. Mountain State University

ABRUZZINO, DAVID (2011)

Director of Open Source Intelligence
Exchange (OSIX) Lab
B.A. Hamilton College

ALLEN, GEORGE (2012)

Assistant Professor of Psychology
B.A. Alderson-Broaddus College
M. Div. Pittsburgh Theological Seminary
M.S. Loyola College of Baltimore
Ph.D. West Virginia University

ALSHALLAH, MOHAMED (1988)

Associate Professor of Economics/Business
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B.S. Baghdad University
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BAKER, J. ROBERT (1994)

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BAKER, RANDALL (1986)

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BAKER, WARREN (1992)

Assistant Professor of Education
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BATES, JOYCE A. (2005)

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BAUR, ANDREAS (2000)

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BAXTER, HARRY N., III (1985)

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- COMO, TIA M., P.E. (1998)
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Interim Dean, School of Education
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- DUNLEVY, JAMES O. (1965-69; 1972)
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B.A. College of Steubenville
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- EDWARDS, CONSTANCE (2005)
Interim Dean, School of Fine Arts
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D.M.A. University of Missouri-Kansas City
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Associate Professor of Biology
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Ph.D. State University of New York at Stony Brook
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Director of Library Services
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A.A. Mars Hill College
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Advanced M.S. in LS, Florida State University
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B.A. Eastern Connecticut State University
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Assistant Professor of Nursing
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Professor of Geography
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M.A. Tribhuban University
M.A. University of Hawaii
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B.M. Baldwin-Wallace College
M.M. The University of Akron
D.M.A. The University of Arizona
- JUNG, JAMES J. (2013)
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M.A. Ohio University
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B.S. University of Tennessee
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M.A., Ph.D. West Virginia University
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R.B.A., B.A. Fairmont State College
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Instructor of Recreation
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Assistant Professor of Nursing
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Professor of Communication and Theatre Arts
Abelina Suarez Professor
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MPH Armstrong Atlantic University
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B.S., Inha University
M.B.A., Morehead State University
M.S., Georgia State University
Ph.D. Mississippi State University
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B.F.A. The College of Saint Rose, Albany, New York
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- LINDSTROM, DENISE (2008)
Assistant Professor of Education
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B.A. California State University / Chico
M.S., Ph.D. Iowa State University
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Professor of English
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B.A. University of Tampa
M.A., Ph.D. Florida State University
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Professor/Senior Level: Biology
B.A. Montclair State College
Ph.D. Rutgers University
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 Director, Gaston Caperton Center
 Professor of Education
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 A.A. University of Florida
 B.S. Florida State University
 M.S. Florida International University
 Ph.D. Lynn University
- METCALF, AMANDA (2013)
 Assistant Professor of Physical Education
 Graduate Faculty
 B.S. Mars Hill College
 M.A. East Tennessee State University
 Ph.D. West Virginia University
- MELANSON, ELIZABETH G. (2013)
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 B.A. Bucknell University
 M.A. The George Washington University
 Ph.D. University of Delaware
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 B.A. State University College at Oneonta
 M.A., Ph.D. SUNY at Binghamton
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 A.S. Central Florida College
 A.A. Santa Fe College
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 M. Arch. Virginia Polytechnic Institute & State University
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 Professor of Education
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 M.A.Ed. Virginia Polytechnic Institute & State University
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 B.S. Bob Jones University
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 Chair, Department of Social Science
 Associate Professor of Criminal Justice
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 B.A. Virginia Polytechnic Institute and State University
 J.D. Widener University School of Law
 M.S.W. The Catholic University of America
 Ph.D. University of Maryland
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 Director, National Security and Intelligence Program
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 B.A. Villanova University
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 M.D.S. Royal Military College of Canada
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 B.S.Ed. Northern Illinois University
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 Director, FSU PDS Partnerships and Clinical Experiences
 B.A. Fairmont State College
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 Associate Dean of the School of Business
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 B.S. Concord University
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 C.A.S. West Virginia College of
 Graduate Studies
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 J.D. West Virginia University
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 B.S.N. West Virginia University
 M.S.N. Marshall University
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 B.S. Edinboro University
 M.S., Ph.D. West Virginia University
- SMALLRIDGE, JOSHUA (2011)
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 A.A.S. Pierpont Community & Technical College
 B.S., M.S. Fairmont State University
 Ph.D. Indiana University of Pennsylvania
- SMITH, CRYSTAL (2014)
 Assistant Professor of Special Education
 B.S. Concord University
 M.A. Marshall University
 Ed.D. West Virginia University
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 B.A., Fairmont State College
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- SNYDER, TROY (2004)
 Associate Professor of Theatre Arts
 B.F.A. West Virginia University
 M.F.A. University of North Carolina-Greensboro
- SPEARS, SAMUEL (2009)
 Assistant Professor of Music
 B.M. Furman University
 M.M. University of Cincinnati
 D.M.A. University of Miami
- SURENDRAN, SUNIL (1994)
 Professor of Marketing and Management
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 B.S., M.B.A. Gujarat University
 Ph.D. Kent State University
- TANNOUS, CAROL (2006)
 Director of Destination Education
 B.S., M.A. Indiana University of Pennsylvania
- TRISEL, DONALD E. (1995)
 Interim Dean, College of Science and Technology
 Professor of Biology
 B.S. Heidelberg College
 M.S., Ph.D. Miami University of Ohio
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 Associate Professor of Civil Engineering Technology
 A.S. Ocean County College
 B.S. Fairmont State College
 M.S. New Jersey Institute of Technology
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 Assistant Professor of Nursing
 A.D.N., Allegheny College of Maryland
 B.S.N., Kaplan University
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Instructor of Chemistry
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Professor/Senior Level: Sociology
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WOLF, MARK D. (2011)
Assistant Professor of Technology Education
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Professor of Biology
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B.S.C.E., M.C.E. North Carolina State University
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Professor Emeritus

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Professor Emeritus

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Professor Emeritus

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Faculty Emeritus

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Professor Emeritus

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Professor Emeritus

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Professor Emeritus

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Professor Emeritus

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Gertrude Hall, M.A.
Professor Emerita

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Professor Emerita

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Joan Lawrence, M.B.A., CPA Professor Emerita	Joanna Nesselroad, Ed.D. Professor Emerita	Patricia Ryan, Ph.D. Professor Emerita
William M. Laughlin, M. A. Professor Emeritus	Thomas M. Nunnally, M.Ed. Professor Emeritus	Janet Salvati, Ph.D. Professor Emerita
Loy W. Leonard, M.A. Professor Emeritus	Barbara F. Nutter, M.A. Faculty Emerita	Frederick W. Schaupp, Ed.D. Professor Emeritus
Emil R. Lidell, M.A. Professor Emeritus	John D. Parks, M.S. Professor Emeritus	Rebecca Schaupp, Ed.D. Professor Emerita
Jo Ann Lough, M.A. Professor Emerita	Ronald D. Pearse, Ed.D. Professor Emeritus	William J. Schneider, M.S. Professor Emeritus
Aileen Lucas, B.S.L.S. Faculty Emerita	Edward E. Peters, Ph.D. Professor Emeritus	John H. Schooley, M.M. Professor Emeritus
Frances D. Maloney, Ed.D. Professor Emerita	H. Dean Peters, Ph.D. Professor Emeritus	Robert K. Shan, Ph.D. Professor Emeritus
Ashley M. Martin, Ph.D. Professor Emeritus	John L. Pheasant, M.A. Professor Emeritus	David D. Sherren, Ed.D. Professor Emeritus
Robert G. Masters, M.A. Faculty Emeritus	William E. Phillips Jr., Ed.D. Professor Emeritus	Jean Simonof, M.L.S. Faculty Emerita
Charles H. McCormick, Ph.D. Professor Emeritus	Jeffrey Poland, D.M.A. Professor Emeritus	George Smyth, AIA-E Faculty Emeritus
Emily McDowell, Ed.D. Professor Emerita	Charles D. Poston, Ph.D. Professor Emeritus	Suzanne T. Snyder Ed.D. Professor Emerita
Earl G. McLaughlin, Ed.D. Professor Emeritus	Woodrow A. Potesta, J.D. Professor Emeritus	Richard A. Sonnenshein, Ph.D. Professor Emeritus
Martha L. Miller, Ed.D. Professor Emerita	William M. Potter, M.A. Professor Emeritus	Earl N. Straight, M.A. Professor Emeritus
Patricia G. Millman, Ed.D. Professor Emerita	Ruth Powell, M.L.S. Professor Emerita	Allan L. Swanson, M.S.E. Professor Emeritus
Alice A. Moerk, Ph.D. Professor Emerita	Harry G. Priester, Ed.D. Professor Emeritus	Charles H. Swanson, Ed.D. Professor Emeritus
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Frances Moody, M.A. Professor Emerita	David F. Pudsell, M.A. Professor Emeritus	Elizabeth Swiger, Ph.D. Professor Emerita
Connie S. Moore, M.S.N. Professor Emerita	Jack R. Pulsifer, M.A. Professor Emeritus	Leo R. Taggart, Ed.D. Professor Emeritus
Anne B. Morgan, M.A. Faculty Emerita	Judith Radcliff, M.S. Professor Emerita	John M. Teahan, M.A. Faculty Emeritus

Joanne VanHorn, M.A.
Professor Emerita

Yu San Wang, Ph.D.
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Daniel K. Weber, M. A.
Professor Emeritus

Jean E. Ward, M.Ed.
Professor Emerita

Dorothy A. Wedge, Ph.D.
Professor Emerita

Richard Whiteman, M.Ed.
Professor Emeritus

Jack Wills, Ph.D.
Professor Emeritus

Institutional Directory

INSTITUTIONAL BOARD OF GOVERNORS

The Institutional Board of Governors for Fairmont State University consists of nine members appointed by the Governor with the advice and consent of the Senate and a representative from the faculty, classified staff, and student body chosen by their respective groups.

Ron Tucker, Chair – Fairmont
 Mark Pallotta, Vice Chair – Fairmont
 Dixie Yann, Secretary – Fairmont
 Robert Mild – Faculty Representative – Fairmont
 Holly Fluharty – Classified Staff Representative – Fairmont
 Bryan Foley – Student Representative – Pipestem
 Chris Courtney, DO – Bridgeport
 John Myers – Morgantown
 John Schirripa—Bridgeport
 Shirley Stanton – Fairmont
 Bryan Towns -- Fairmont
 Frank Washenitz – Fairmont

HIGHER EDUCATION POLICY COMMISSION

The West Virginia Higher Education Policy Commission (WVHEPC) is responsible for developing, establishing, and overseeing the implementation of a public policy agenda for the state's four-year colleges and universities. It is charged with oversight of higher education institutions to ensure they are accomplishing their missions and implementing the provisions set by state statute.

The Commission consists of ten members; seven of whom are appointed by the governor, and three ex-officio members: Secretary of Education and the Arts, State Superintendent of Schools, and Chairperson of the West Virginia Council for Community and Technical College Education.

Paul Hill, Chancellor – Charleston
 Bruce Berry, Chair – Morgantown
 Jenny Allen, Vice Chair – Shepherdstown
 Kathy Eddy, Secretary – Parkersburg
 Michael J. Farrell – Huntington
 Kay H. Goodwin, Ex-officio – Charleston
 David K. Hendrickson – Charleston
 John Leon – Fairmont
 Clarence Pennington – Martinsburg
 James Phares, Ex-officio – Elkins
 Gary G. White – Logan

ADMINISTRATION & STAFF

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ACADEMIC AFFAIRS, Provost and Vice President for.....	Christina M. Lavorata, Ed.D.
ACADEMIC AFFAIRS, Associate Provost for.....	Jack R. Kirby, Ed.D.
ADMINISTRATIVE AND FISCAL AFFAIRS, Vice President for.....	Enrico A. Porto, BS
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AFFIRMATIVE ACTION, Director of.....	Cynthia Curry, MA, CCP, SPHR
AMERICANS WITH DISABILITIES ACT, Coordinator of.....	Andrea Pammer, MA
ATHLETICS, Director of.....	Tim McNeely, JD
CAREER DEVELOPMENT CENTER, Director of.....	Sally V. Fry, MS
Community Service/ Civic Engagement.....	Amy Drvar, MSW
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